Envirofacts Search Results

Description

Preparation Manufacturing



Plant Information

SNF - RICEBORO ONE CHEMICAL PLANT ROAD RICEBORO, GA 31323 EPA Plant ID: 110027375775

Operating Status:	0	HPV Flag:	H COTTRELL
Operating Status Description:	OPERATING	State Registration Number:	HCOTTRELL
State County Compliance Source:	1317900011	Government Facility Code Description:	PRIVATELY OWNED/OPERATED
Region Code:	04	Class Code:	A 6
Primary SIC Code:	2899	Class Code Description:	ACTUAL OR POTENTIAL EMISS
Primary SIC Description:	CHEMICAL PREPARATIONS, NE	Compliance Status:	4 6
NAICS Code:	325998	Compliance Status Description:	IN COMPLIANCE - CERTIFICA
NAICS Code	All Other Miscellaneous Chemical Product and	Date Plant Information Last	09/08/2014

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- Air Facility System
 EnviroMapper for Envirofacts
- MyEnvironment
- Facility Registry System
 - Enforcement and Compliance

Air Program Information

Updated:

Air Program Code	Air Program Description	Air Program Status	Air Program Status Description	Air Program Subpart	Air Program Subpart Description	Class	Class Code Description	Compliance	Compliance Status Description
0	SIP	0	OPERATING			A 0	ACTUAL OR POTENTIAL EMISS	4 0	IN COMPLIANCE - CERTIFICA
9	NSPS	0	OPERATING	w	EQUIPT VOC LEAKS IN SYNTH- ORGAN-CHEM MFG	A 0	ACTUAL OR POTENTIAL EMISS	9 0	IN COMPLIANCE SHUT DOWN
9	NSPS	0	OPERATING	КВ	VOLATILE LIQ/PETRO STORAGE VESSEL 7/23/84	A 0	ACTUAL OR POTENTIAL EMISS	9 0	IN COMPLIANCE SHUT DOWN
9	NSPS	0	OPERATING	NNN	VOC EMISS OF SOCMI DISTILLATION OPERATN	4 6	ACTUAL OR POTENTIAL EMISS	9 3	IN COMPLIANCE - SHUT DOWN
9	NSPS	0	OPERATING	A	GENERAL PROVISIONS	A 6	ACTUAL OR POTENTIAL EMISS	9 0	IN COMPLIANCE - SHUT DOWN
9	NSPS	0	OPERATING	DC	SMALL INDUS-COMMER- INSTITUTL STEAM GENER	A 9	ACTUAL OR POTENTIAL EMISS	9 0	IN COMPLIANCE - SHUT DOWN
9	NSPS	0	OPERATING	RRR	SOCMI REACTOR	A 8	ACTUAL OR POTENTIAL EMISS	9 0	IN COMPLIANCE - SHUT DOWN
м	MACT (SECTION 63 NESHAPS)	0	OPERATING	SS	NATL EMISS STD- CLOSED VENT SYS/CTRL DEVICES, 40 CFR 63.980	^ 0	ACTUAL OR POTENTIAL EMISS	4 0	IN COMPLIANCE - CERTIFICA

М	MACT (SECTION 63 NESHAPS)	0	OPERATING	ww	NATL EMIS STD - STORAGE VESSELS (TANKS), 40 CFR 63.1060	A 6	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	н	EQUIPMENT LEAKS OF HAZARDOUS ORGANICS	A 60	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
м	MACT (SECTION 63 NESHAPS)	0	OPERATING	π	EQUIPMENT LEAKS - CONTROL LEVEL 1	A 6	ACTUAL OR POTENTIAL EMISS	6	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	υυ	NTL EMISS, STD FOR EQUIP LEAKS-CONTROL 2 STD, 40 CFR 63.1019	A 0	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	F	SYNTHETIC HAZARDOUS ORGANICS (SOCMI) STANDARDS	^ 0	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	A	GENERAL PROVISIONS	A 0	ACTUAL OR POTENTIAL EMISS	8	4 6	IN COMPLIANCE - CERTIFICA	0
м	MACT (SECTION 63 NESHAPS)	0	OPERATING	В	REQ FOR CONTROL TECHNOLOGY DETERMINATIONS FOR MAJOR SOURCES	A 8	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	FFFF	MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING (MON)	^ 8	ACTUAL OR POTENTIAL EMISS	0	4 0	IN COMPLIANCE - CERTIFICA	0
М	MACT (SECTION 63 NESHAPS)	0	OPERATING	G	STORAGE OF HAZARDOUS ORGANICS	^ 6	ACTUAL OR POTENTIAL EMISS	6	40	IN COMPLIANCE - CERTIFICA	0
٧	TITLE V PERMITS	0	OPERATING			A 0	ACTUAL OR POTENTIAL EMISS	6	4 0	IN COMPLIANCE - CERTIFICA	0

Pollutant Data

Air Program Code	Pollutant Code / CAS Number	Pollutant / CAS Description	Attain Indicator	Attain Indicator Description	Pollutant Compliance Status	ES Pollutant Compliance Description	Pollutant Class Code	Pollutant Class Description
0	нс	TOTAL HYDROCARBONS	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS
0	HCL	HYDROGEN CHLORIDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
o	от	OTHER EMISSIONS OTHER THAN ROAD BASED	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS
0	PT	TOTAL PARTICULATE MATTER	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	۸	ACTUAL OR POTENTIAL EMISS
0	THAP	TOTAL HAP POLLUTANT	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS
0	50000	FORMALDEHYDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
0	74873	METHYL CHLORIDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS
0	77781	DIMETHYL SULFATE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
0	79061	ACRYLAMIDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS
0	79107	ACRYLIC ACID	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	^	ACTUAL OR POTENTIAL EMISS
9	ОТ	OTHER EMISSIONS OTHER THAN ROAD BASED	A	ATTAINMENT AREA FOR A GIV	9	IN COMPLIANCE - SHUT DOWN	^	ACTUAL OR POTENTIAL EMISS

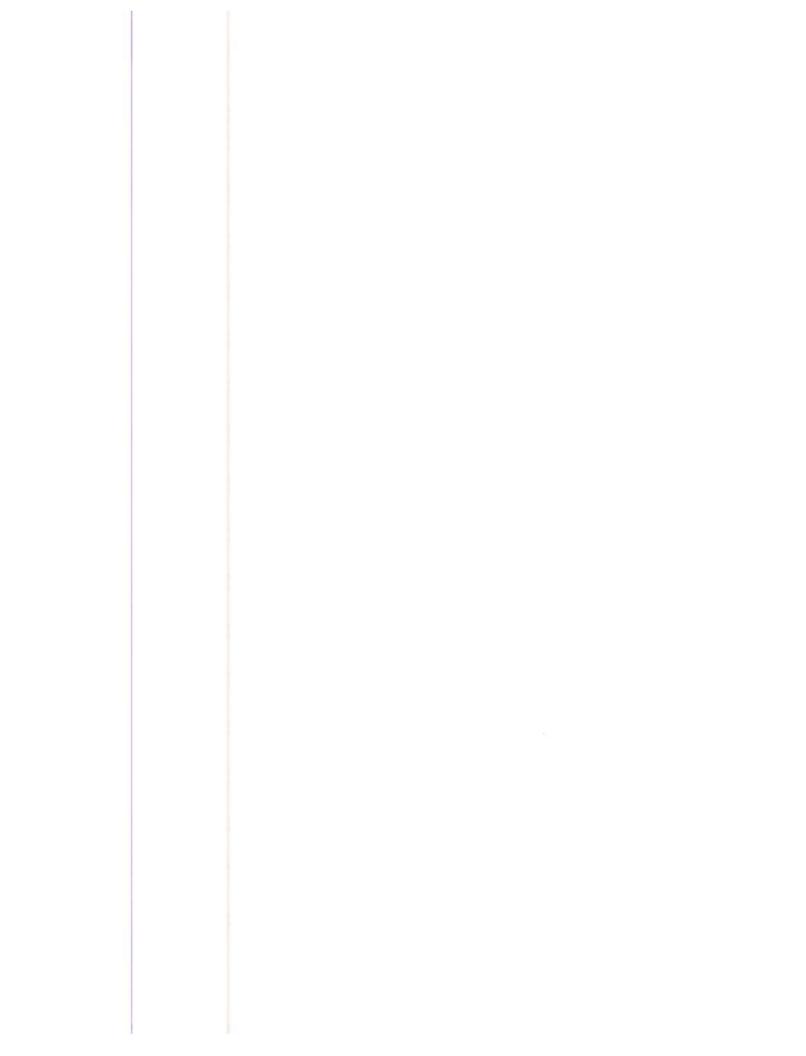
м	ОТ	OTHER EMISSIONS OTHER THAN ROAD BASED	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
м	THAP	TOTAL HAP POLLUTANT	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR
V	FACIL	FACILITY-MOE PERMIT REQUIREMENTS	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
V	HCL	HYDROGEN CHLORIDE	Α	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	от	OTHER EMISSIONS OTHER THAN ROAD BASED	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	PT	TOTAL PARTICULATE MATTER	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
V	THAP	TOTAL HAP POLLUTANT	A	ATTAINMENT AREA	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	50000	FORMALDEHYDE	A	ATTAINMENT AREA	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR
v	74873	METHYL CHLORIDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	77781	DIMETHYL SULFATE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	79061	ACRYLAMIDE	A	ATTAINMENT AREA FOR A GIV	4	IN COMPLIANCE - CERTIFICA	A	ACTUAL OR POTENTIAL EMISS
v	79107	ACRYLIC ACID	A	ATTAINMENT AREA	4	IN COMPLIANCE - CERTIFICA	Α	ACTUAL OR POTENTIAL EMISS

Compliance Monitoring Strategy

CMS Start Date	FY2008 CMS Indicator	FY2008 CMS Indicator Description	FY2009 CMS Indicator	FY2009 CMS Indicator Description
01-OCT-01	A	TITLE V MAJOR	A	TITLE V MAJOR

Plant Actions

Action Number	Key Action Numbers	Air Program Codes	National Action Type	National Action Description	Action Type	Action Description	Date Achieved	Penalty Amount	Results Code	Results Code Description	Pollutant Code	Regional Data Element	Regional Data Element 16
90000		0			00	EPA ACT.>90000	04-MAR- 11						
00339		0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	25-AUG- 14		01	ACTION ACHIEVED			
00339		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	25-AUG- 14		01	ACTION ACHIEVED			
00339		м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	25-AUG- 14		01	ACTION ACHIEVED			
00339		v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	25-AUG- 14		01	ACTION ACHIEVED			
00338		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	03-SEP- 14		01	ACTION ACHIEVED			
00338		9	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	03-SEP- 14		01	ACTION ACHIEVED			
00338		м	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	03-SEP- 14		01	ACTION ACHIEVED			
00338		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	03-SEP- 14		01	ACTION ACHIEVED			
00337		0			36	NO PERMIT REQUIRED	03-SEP- 14		01	ACTION ACHIEVED			
00337		9			36	NO PERMIT REQUIRED	03-SEP- 14		01	ACTION ACHIEVED			
00337		м			36	NO PERMIT	03-SEP-		01	ACTION			



					REQUIRED	14		ACHIEVED	
0337	v			36	NO PERMIT REQUIRED	03-SEP- 14	01	ACTION ACHIEVED	
0336	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	<u>SO2</u>
00336	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	SO2
00336	м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	РР	STACK TEST PASSED	<u>SO2</u>
00336	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	SO2
00335	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	FF	STACK TEST FAILED	<u>SO2</u>
00335	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	FF	STACK TEST FAILED	<u>SQ2</u>
00335	м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	FF	STACK TEST FAILED	<u>SO2</u>
00335	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	FF	STACK TEST FAILED	<u>SO2</u>
00334	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00334	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00334	М	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00334	V	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00333	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00333	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00333	м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00333	V	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	13-DEC- 13	PP	STACK TEST PASSED	
00332	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TEST PASSED	

0332	9	TR	(O/O) STACK TEST/NOT OBSV		STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TEST PASSED	
00332	м	TR	BUT REVD STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TEST PASSED	
00332	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TEST PASSED	
00331	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TEST PASSED	
00331	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TES PASSED	
00331	м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TES PASSED	
00331	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	11-DEC- 13	PP	STACK TES PASSED	5 1147 11 12
00330	0	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	25-FEB- 14			
00330	9	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	25-FEB- 14			
00330	М	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	CS	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	25-FEB- 14			
00330	٧	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	25-FEB- 14		_	
00329	o	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	COMPLIANCE CERTIFICATION REVIEW BY STATE			COMPLIA	NCE
00329	9	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	COMPLIANCE CERTIFICATION REVIEW BY STA			COMPLIA	ANCE
00329	м	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL		CERTIFICATIO REVIEW BY STA	N TE		MC IN	
00329	v	SF	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL		COMPLIANCE CERTIFICATIO REVIEW BY STA	N ATE		MC IN COMPLI	ANCE
00328	0	P	X STATE/LOCAL PCE/OFF-SITE	3	STATE	14		ACHIE	EVED
00328	9	P	STATE/LOCAL PCE/OFF-SITE		STATE	14		ACHIE	EVED
00328	м	Р	STATE/LOCAL PCE/OFF-SITE		STATE	14		ACHIE	EVED
00328	v	P	STATE/LOCAL PCE/OFF-SITE	2 12	7 REPORT DUI	14		ACHIE	EVED
00327	0	7	D STATE/LOCAL P		3 STATE PERM ISSUED	IT 04-FEB 14		01 ACT	

00327		9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	04-FEB-	01	ACTION	
00327		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	14 04-FEB-	01	ACHIEVED	
00327		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	14 04-FEB-	01	ACHIEVED	
00326	00324	0	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	COMP.BY STATE	14 03-FEB- 14		ACHIEVED	
00326	00324	9	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	03-FEB- 14			
00326	00324	м	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	03-FEB- 14			
00326	00324	v	2К	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET. TO COMP.BY STATE WITH NO FURTHER ACT RE	03-FEB- 14			
00325	00324	0	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	14-NOV- 13			
00325	00324	9	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	14-NOV- 13			
00325	00324	М	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	14-NOV- 13			
00325	00324	v	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	14-NOV- 13			
00324	00324	0	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	VZ	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	14-NOV- 13	01	ACTION ACHIEVED	35
00324	00324	9	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	vz	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	14-NOV- 13	01	ACTION ACHIEVED	
00324	00324	м	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	vz	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	14-NOV- 13	01	ACTION ACHIEVED	
00324	00324	٧	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	VZ	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	14-NOV- 13	01	ACTION ACHIEVED	
00323		0	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	30-SEP- 13	21	COMPLIANCE	
00323		9	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	30-SEP- 13	21	COMPLIANCE	
00323		М	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	30-SEP- 13	21	COMPLIANCE	
00323		v	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	30-SEP- 13	21	COMPLIANCE	
00322		0	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	10-JUN- 13	01	ACTION ACHIEVED	
00322		9	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	10-JUN- 13	01	ACTION ACHIEVED	
00322		м	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE	10-JUN- 13	01	ACTION ACHIEVED	

						INSPECTION - LEVEL 2 OR GREATER									
00322		v	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	10-JUN- 13			01	ACTION ACHIEVED				
00321	00324	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-AUG- 13			01	ACTION ACHIEVED				
00321	00324	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-AUG- 13			01	ACTION ACHIEVED				
00321	00324	м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-AUG- 13			01	ACTION ACHIEVED				
00321	00324	v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-AUG- 13			01	ACTION ACHIEVED				
00320		0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	19-JUN- 13			PP	STACK TEST PASSED				
A00326 Number	Key Action Numbers	9Air Program Codes		(O/ONSTANCION TEST/NOT OBSV	Iyp	COND) STACK TEST/NOT OBSV	n 19-JUNhte	1 1	Pen. Ama		unis (PASSES) Code PASSES (Pript	llutant Code	0	ional ata ment	Regional Data Element 16
				BUI KEAD		BUT KEVWO		III-CA					rivore.		
00320		м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	19-JUN- 13			PP	PASSED				
00320		V	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	19-JUN- 13	120		PP	STACK TEST PASSED				
00319		0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-MAR- 13			01	ACTION ACHIEVED				
00319		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-MAR- 13			01	ACTION ACHIEVED				
00319		М	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-MAR- 13			01	ACTION ACHIEVED				
00319		V	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-MAR- 13			01	ACTION ACHIEVED				
00318		0	СВ	COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 13								
00318		9	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 13								
00318		м	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	CS	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 13								=
00318		v	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 13								
00317		0	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 13			мс	IN COMPLIANCE				
00317		9	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 13			мс	IN COMPLIANCE				
00317		м	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 13			МС	IN COMPLIANCE				
00317		v	SR	TV COMPLIANCE CERTIFICATION	SR	TITLE V COMPLIANCE	29-MAR- 13			МС	IN COMPLIANCE				

			REVIEW BY STATE/LOCAL		CERTIFICATION REVIEW BY STATE				
00316	0			36	NO PERMIT REQUIRED	24-JAN- 13	01	ACTION ACHIEVED	
00316	9			36	NO PERMIT REQUIRED	24-JAN- 13	01	ACTION ACHIEVED	
00316	М			36	NO PERMIT REQUIRED	24-JAN- 13	01	ACTION ACHIEVED	
00316	\ v			36	NO PERMIT REQUIRED	24-JAN- 13	01	ACTION ACHIEVED	
00315	0			36	NO PERMIT REQUIRED	07-DEC- 12	01	ACTION ACHIEVED	
00315	9			36	NO PERMIT REQUIRED	07-DEC- 12	01	ACTION ACHIEVED	
00315	м			36	NO PERMIT REQUIRED	07-DEC- 12	01	ACTION ACHIEVED	
00315	V			36	NO PERMIT REQUIRED	07-DEC- 12	01	ACTION ACHIEVED	
00314	0			36	NO PERMIT REQUIRED	06-DEC- 12	01	ACTION ACHIEVED	
00314	9			36	NO PERMIT REQUIRED	06-DEC- 12	01	ACTION ACHIEVED	
00314	м			36	NO PERMIT REQUIRED	06-DEC- 12	01	ACTION ACHIEVED	
00314	v			36	NO PERMIT REQUIRED	06-DEC- 12	01	ACTION ACHIEVED	
00313	0			36	NO PERMIT REQUIRED	19-SEP- 12	01	ACTION ACHIEVED	
00313	9			36	NO PERMIT REQUIRED	19-SEP- 12	01	ACTION ACHIEVED	
00313	м			36	NO PERMIT REQUIRED	19-SEP- 12	01	ACTION ACHIEVED	
00313	\ \ \			36	NO PERMIT REQUIRED	19-SEP- 12	01	ACTION ACHIEVED	
00312	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	30-AUG- 12	01	ACTION ACHIEVED	
00312	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	30-AUG- 12	01	ACTION ACHIEVED	
00312	м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	30-AUG- 12	01	ACTION ACHIEVED	
00312	v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	30-AUG- 12	01	ACTION ACHIEVED	
00311	0			36	NO PERMIT REQUIRED	30-AUG- 12	01	ACTION ACHIEVED	
00311	9			36	NO PERMIT REQUIRED	30-AUG- 12	01	ACTION ACHIEVED	
00311	М			36	NO PERMIT REQUIRED	30-AUG- 12	01	ACTION ACHIEVED	
00311	v		7	36	NO PERMIT REQUIRED	30-AUG- 12	01	ACTION ACHIEVED	
00310	0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	30-AUG- 12	01	ACTION ACHIEVED	
00310	9	7D	PERMIT ISSUED	33	STATE PERMIT ISSUED	30-AUG- 12	01	ACTION ACHIEVED	
00310	М	7D	PERMIT ISSUED	33	STATE PERMIT ISSUED	30-AUG- 12	01	ACTION ACHIEVED	
00310	V	70	PERMIT ISSUED	33	STATE PERMIT ISSUED	30-AUG- 12	01	ACTION ACHIEVED	
00309	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (0/0 COND) STACK TEST/NOT OBSV BUT REVWD	01-FEB- 12	PP	STACK TEST PASSED	
00309	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV	01-FEB- 12	РР	STACK TEST PASSED	

			BUT REVD		BUT REVWD			
0309	М	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	01-FEB- 12	PP	STACK TEST PASSED
00309	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	01-FEB- 12	PP	STACK TEST PASSED
00308	0			36	NO PERMIT REQUIRED	04-MAY- 12	01	ACTION ACHIEVED
00308	9			36	NO PERMIT REQUIRED	04-MAY- 12	01	ACTION ACHIEVED
00308	м			38	NO PERMIT REQUIRED	04-MAY- 12	01	ACTION ACHIEVED
0308	v			36	NO PERMIT REQUIRED	04-MAY- 12	01	ACTION ACHIEVED
00307	0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	26-APR-	01	ACTION ACHIEVED
00307	9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	26-APR- 12	01	ACTION ACHIEVED
00307	М	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	26-APR- 12	01	ACTION ACHIEVED
00307	v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	26-APR- 12	01	ACTION ACHIEVED
00306	0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	18-APR- 12	01	ACTION ACHIEVED
00306	9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	18-APR- 12	01	ACTION ACHIEVED
00306	М	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	18-APR- 12	01	ACTION ACHIEVED
00306	v	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	18-APR- 12	01	ACTION ACHIEVED
0305	0	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 12		
00305	9	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 12		
00305	M M	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 12		
00305	v	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-MAR- 12		
00304	0	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	30-MAR- 12	мс	IN COMPLIANCE
00304	9	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	30-MAR- 12	МС	IN COMPLIANCE
00304	М	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	30-MAR- 12	мс	IN COMPLIANCE
00304	v	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	30-MAR- 12	мс	IN COMPLIANCE
00303	0			36	NO PERMIT REQUIRED	27-MAR- 12	01	ACTION ACHIEVED
00303	9			36	NO PERMIT	27-MAR-	01	ACTION

						REQUIRED	12		ACHIEVED
00303		м			36	NO PERMIT REQUIRED	27-MAR- 12	01	ACTION ACHIEVED
00303		v			36	NO PERMIT REQUIRED	27-MAR- 12	01	ACTION ACHIEVED
00302		0			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00302		9			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00302		м			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00302		v			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00301		0			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00301		9			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00301		м			36	NO PERMIT REQUIRED	21-FEB-	01	ACTION ACHIEVED
00301		v			36	NO PERMIT REQUIRED	21-FEB- 12	01	ACTION ACHIEVED
00300		0			36	NO PERMIT REQUIRED	01-FEB- 12	01	ACTION ACHIEVED
00300		9			36	NO PERMIT REQUIRED	01-FEB- 12	01	ACTION ACHIEVED
00300		м			36	NO PERMIT REQUIRED	01-FEB-	01	ACTION ACHIEVED
00300		v			36	NO PERMIT REQUIRED	01-FEB- 12	01	ACTION ACHIEVED
00299		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	20-JAN- 12	01	ACTION ACHIEVED
00299		9	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	20-JAN- 12	01	ACTION ACHIEVED
00299		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	20-JAN- 12	01	ACTION ACHIEVED
00299		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	20-JAN- 12	01	ACTION ACHIEVED
00298	00257	0	VR	VIOLATION	AS	VIOLATION	01-DEC-		ACHIEVED
00298	00257	9	VR	VIOLATION	AS	VIOLATION	01-DEC-		
00298	00257	м	VR	VIOLATION RESOLVED	AS	VIOLATION RESOLVED	01-DEC-		
00298	00257	v	VR	VIOLATION RESOLVED	AS	VIOLATION RESOLVED	01-DEC-		
00297		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	14-NOV-	01	ACTION ACHIEVED
00297		9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	14-NOV-	01	ACTION ACHIEVED
00297		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT	14-NOV-	01	ACTION ACHIEVED
00297	Ø.	v	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	14-NOV- 11	01	ACTION ACHIEVED
00296		0	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE ON-SITE	30-SEP-	21	COMPLIANCE
00296		9	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE ON-SITE	30-SEP-	21	COMPLIANCE
00298		м	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE ON-SITE	30-SEP-	21	COMPLIANCE
00296		v	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FOR ON-SITE	30-SEP- 11	21	COMPLIANCE

00294		0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JUL- 11		01	ACTION ACHIEVED
00294		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JUL- 11		01	ACTION ACHIEVED
00294		м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JUL- 11		01	ACTION ACHIEVED
00294		v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JUL- 11		01	ACTION ACHIEVED
00293		0	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	21-JUL- 11		01	ACTION ACHIEVED
00293		9	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	21-JUL- 11		01	ACTION ACHIEVED
00293		М	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	21-JUL- 11		01	ACTION ACHIEVED
00293		v	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	21-JUL- 11		01	ACTION ACHIEVED
00292	00257	0	8C	STATE/LOCAL ADMINISTRATIVE ORDER ISSUED	Х1	STATE ORDER ISSUED	12-JUL- 11	\$5000	01	ACTION ACHIEVED
00292	00257	9	8C	STATE/LOCAL ADMINISTRATIVE ORDER ISSUED	Х1	STATE ORDER ISSUED	12-JUL- 11	\$5000	01	ACTION ACHIEVED
00292	00257	м	8C	STATE/LOCAL ADMINISTRATIVE ORDER ISSUED	X1	STATE ORDER ISSUED	12-JUL- 11	\$5000	01	ACTION ACHIEVED
00292	00257	v	8C	STATE/LOCAL ADMINISTRATIVE ORDER ISSUED	X1	STATE ORDER ISSUED	12-JUL- 11	\$5000	01	ACTION ACHIEVED
00291	00257	0			57	STATE ORDER PROPOSED	13-JUN- 11			
00291	00257	9			57	STATE ORDER PROPOSED	13-JUN- 11			
00291	00257	м			57	STATE ORDER PROPOSED	13-JUN- 11			
00291	00257	v			57	STATE ORDER PROPOSED	13-JUN- 11			
00290		0	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	08-JUL- 11			
00290		9	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	08-JUL- 11			
00290		м	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	08-JUL- 11			
00290		V	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	08-JUL- 11			
00289		0	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11		PP	STACK TEST PASSED
00289		9	3A	OWNER/OPERATOR- CONDUCTED	23	STATE REQ (O/O COND) STACK	10-MAR- 11		PP	STACK TEST PASSED

				SOURCE TEST		TEST/OBSVD & REVIEWED			
0289		м	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00289		v	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00288		0	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00288		9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00288		м	ЗА	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00288		٧	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10-MAR- 11	PP	STACK TEST PASSED
00287		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	13-MAY- 11	01	ACTION ACHIEVED
00287		9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	13-MAY- 11	01	ACTION ACHIEVED
00287		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	13-MAY- 11	01	ACTION ACHIEVED
00287		v	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	13-MAY- 11	01	ACTION ACHIEVED
00286		0	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	28-APR- 11	01	ACTION ACHIEVED
00286		9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	28-APR- 11	01	ACTION ACHIEVED
00286		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	28-APR- 11	01	ACTION ACHIEVED
00286		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	28-APR- 11	01	ACTION ACHIEVED
00285	00239	0	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	30-MAR- 11		
00285	00239	9	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	30-MAR- 11		
00285	00239	м	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	30-MAR- 11		
00285	00239	v	2K	COMPL BY STATE/LOCAL, NO ACT REQ	AW	SOURCE RET.TO COMP.BY STATE WITH NO FURTHER ACT RE	30-MAR- 11		
00284		0			36	NO PERMIT REQUIRED	31-MAR- 11	01	ACTION ACHIEVED
00284		9			36	NO PERMIT REQUIRED	31-MAR- 11	01	ACTION ACHIEVED
00284		м			36	NO PERMIT REQUIRED	31-MAR- 11	01	ACTION ACHIEVED
00284		v			36	NO PERMIT REQUIRED	31-MAR- 11	01	ACTION ACHIEVED
00283		0	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY	01-FEB- 11		

			STATE/LOCAL		STATE/LOCAL				
0283	9	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-FEB- 11			
0283	м	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-FEB- 11			
0283	V	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	01-FEB- 11			
00282	0	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	15-MAR- 11	мс	COMPLIANCE	
00282	9	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	15-MAR- 11	MC	IN COMPLIANCE	
00282	м	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	15-MAR- 11	мс	IN COMPLIANCE	
00282	v	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	15-MAR- 11	мс	IN COMPLIANCE	
00281	0	7C	STATE/LOCAL NOV	56	STATE NOTICE OF VIOLATION	13-JAN- 11			
00281	9	7C	STATE/LOCAL NOV	56	STATE NOTICE OF VIOLATION	13-JAN- 11			
00281	м	7C	STATE/LOCAL NOV	56	STATE NOTICE OF VIOLATION	13-JAN- 11			
00281	v	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	13-JAN- 11			
00279	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-FEB- 11	01	ACTION ACHIEVED	
00279	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-FEB- 11	01	ACTION ACHIEVED	
00279	м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-FEB- 11	01	ACTION ACHIEVED	
00279	v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-FEB- 11	01	ACTION ACHIEVED	
00278	0	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED	
00278	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	PASSED	
00278	м	3А	OWNER/OPERATOR CONDUCTED SOURCE TEST	- 23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	PASSED	
00278	v	3A	OWNER/OPERATOR CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	10	РР	PASSED STACK TEST	
00277	0	3A	OWNER/OPERATOR CONDUCTED SOURCE TEST	23	COND) STACK TEST/OBSVD & REVIEWED	10	PP	STACK TEST PASSED	
00277	9	3A	OWNER/OPERATOR CONDUCTED SOURCE TEST	₹- 23	STATE REQ (O/I COND) STACK TEST/OBSVD & REVIEWED	10	PP	PASSED	

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00277	М	3A	OWNER/OPERATOR CONDUCTED SOURCE TEST	- 23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00277	V	ЗА	OWNER/OPERATOR: CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00276	0	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00276	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00276	М	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00276	V	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00275	0	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00275	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00275	М	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00275	v	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	18-NOV- 10	PP	STACK TEST PASSED
00274	0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-FEB- 11	01	ACTION ACHIEVED
00274	9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-FEB- 11	01	ACTION ACHIEVED
0274	М	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-FEB- 11	01	ACTION ACHIEVED
0274	•	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-FEB- 11	01	ACTION ACHIEVED
0273	0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-JAN- 11	01	ACTION ACHIEVED
0273	9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-JAN- 11	01	ACTION ACHIEVED
0273	M	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-JAN- 11	01	ACTION ACHIEVED
0273	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-JAN- 11	01	ACTION ACHIEVED
0272	9			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
0272	м			36	NO PERMIT REQUIRED NO PERMIT	07-JAN- 11 07-JAN-	01	ACTION ACHIEVED
					REQUIRED	11 11	01	ACTION ACHIEVED

00272	v			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
00271	0			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
00271	9			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
00271	м			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
00271	v			36	NO PERMIT REQUIRED	07-JAN- 11	01	ACTION ACHIEVED
00270	0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-DEC- 10	01	ACTION ACHIEVED
00270	9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-DEC- 10	01	ACTION ACHIEVED
00270	м	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-DEC- 10	01	ACTION ACHIEVED
00270	V	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	13-DEC- 10	01	ACTION ACHIEVED
00269	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00269	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00269	М	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00269	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00268	0	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00268	9	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	РР	STACK TEST PASSED
00268	м	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00268	v	TR	STATE/LOCAL REQ (O/O) STACK TEST/NOT OBSV BUT REVD	TR	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	09-SEP- 10	PP	STACK TEST PASSED
00267	0	ЗА	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	РР	STACK TEST PASSED
00267	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00267	м	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00267	v	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED

00266	0	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	FF	STACK TEST FAILED
00266	9	3А	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	FF	STACK TEST FAILED
00266	м	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	FF	STACK TEST FAILED
00268	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	FF	STACK TEST FAILED
00265	0	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00265	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00265	М	ЗА	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00265	v	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00264	o	ЗА	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00264	9	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00264	М	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00264	٧	3A	OWNER/OPERATOR- CONDUCTED SOURCE TEST	23	STATE REQ (O/O COND) STACK TEST/OBSVD & REVIEWED	08-SEP- 10	PP	STACK TEST PASSED
00263	0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	16-NOV- 10	01	ACTION ACHIEVED
00263	9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	16-NOV- 10	01	ACTION ACHIEVED
00263	м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	16-NOV- 10	01	ACTION ACHIEVED
00263	v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	16-NOV- 10	01	ACTION ACHIEVED
00262	0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	08-NOV- 10	01	ACTION ACHIEVED
00262	9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	08-NOV- 10	01	ACTION ACHIEVED
00262	M	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	08-NOV- 10	01	ACTION ACHIEVED
00262	v	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	08-NOV- 10	01	ACTION ACHIEVED
00261	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-NOV- 10	01	ACTION ACHIEVED

00261		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE-	01-NOV-	01	ACTION ACHIEVED		
00261		м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-NOV- 10	01	ACTION ACHIEVED		
00261		v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	01-NOV- 10	01	ACTION ACHIEVED		
00260		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	01-NOV- 10	01	ACTION ACHIEVED		
00260		9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	01-NOV- 10	01	ACTION ACHIEVED		
00260		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	01-NOV- 10	01	ACTION ACHIEVED		
00260		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	01-NOV- 10	01	ACTION ACHIEVED		
00259		0	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	29-SEP- 10	21	COMPLIANCE		
00259		9	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	29-SEP- 10	21	COMPLIANCE		
00259		М	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	29-SEP- 10	21	COMPLIANCE		
00259		v	FS	STATE/LOCAL CONDUCTED FCE/ON-SITE	FS	STATE CONDUCTED FCE/ ON-SITE	29-SEP- 10	21	COMPLIANCE		
00258	00257	0	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	02-SEP- 10	01	ACTION ACHIEVED		
00258	00257	9	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	02-SEP- 10	01	ACTION ACHIEVED		
00258	00257	м	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	02-SEP- 10	01	ACTION ACHIEVED		
00258	00257	v	7C	STATE/LOCAL NOV ISSUED	56	STATE NOTICE OF VIOLATION	02-SEP- 10	01	ACTION ACHIEVED		
00257	00257	0	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	VZ	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	17-OCT- 09			THAP	00257
00257	00257	м	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	VZ	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	17-OCT- 09			THAP	00257
00257	00257	v	NH	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	VZ	DAY ZERO FOR FEDERALLY REPORTABLE VIOLATION	17-OCT- 09			THAP	00257
00258		0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-SEP- 10	01	ACTION ACHIEVED		
00258		9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-SEP- 10	01	ACTION ACHIEVED		
00258		м	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-SEP- 10	01	ACTION ACHIEVED		
00258		\ \	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-SEP- 10	01	ACTION ACHIEVED		
00255		0	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	09-SEP- 10	01	ACTION ACHIEVED		
00255		9	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	09-SEP- 10	01	ACTION ACHIEVED		

0255		М	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	09-SEP- 10	01	ACTION ACHIEVED
00255		v	PS	STATE/LOCAL PCE/ON-SITE	27	STATE COMPLIANCE INSPECTION - LEVEL 2 OR GREATER	09-SEP- 10	01	ACTION ACHIEVED
00254		0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-SEP- 10	01	ACTION ACHIEVED
00254		9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-SEP- 10	01	ACTION ACHIEVED
00254		м	PX	STATE/LOCAL PCE/OFF-SITE	PΧ	STATE CONDUCTED PCE/ OFF-SITE	07-SEP- 10	01	ACTION ACHIEVED
00254		v	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	07-SEP- 10	01	ACTION ACHIEVED
00253		0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	02-AUG- 10	01	ACTION ACHIEVED
00253		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	02-AUG- 10	01	ACTION ACHIEVED
00253		м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	02-AUG- 10	01	ACTION ACHIEVED
00253		٧	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	02-AUG- 10	01	ACTION ACHIEVED
00252		0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	28-JUL- 10	01	ACTION ACHIEVED
00252		9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	28-JUL- 10	01	ACTION ACHIEVED
00252		М	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	28-JUL- 10	01	ACTION ACHIEVED
00252		٧	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	28-JUL- 10	01	ACTION ACHIEVED
00251		0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	22-JUN- 10	01	ACTION ACHIEVED
00251		9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	22-JUN- 10	01	ACTION ACHIEVED
00251		м	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	22-JUN- 10	01	ACTION ACHIEVED
00251		v	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/	22-JUN- 10	01	ACTION ACHIEVED
00250		0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	08-JUN- 10	01	ACTION ACHIEVED
00250		9	70	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	08-JUN- 10	01	ACTION ACHIEVED
00250		м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	08-JUN- 10	01	ACTION ACHIEVED
00250		v	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	08-JUN- 10	01	ACTION ACHIEVED
00249	00239	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	09-JUN- 09	01	ACTION ACHIEVED
00249	00239	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	09-JUN- 09	01	ACTION ACHIEVED
00249	00239	м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	09-JUN- 09	01	ACTION ACHIEVED
00249	00239	\ v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	09-JUN- 09	01	ACTION ACHIEVED
00248		0	PX	STATE/LOCAL	37	REPORT DUE-	22-APR-	01	ACTION

1		1	PCE/OFF-SITE		STATE	10	1	ACHIEVED	1
00248	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	22-APR- 10	01	ACTION ACHIEVED	
00248	м	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	22-APR- 10	01	ACTION ACHIEVED	
00248	V	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	22-APR- 10	01	ACTION ACHIEVED	
00247	0	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	15-APR- 10	01	ACTION ACHIEVED	
00247	9	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	15-APR- 10	01	ACTION ACHIEVED	
00247	М	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	15-APR- 10	01	ACTION ACHIEVED	
00247	v	PX	STATE/LOCAL PCE/OFF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	15-APR- 10	01	ACTION ACHIEVED	
00248	0			36	NO PERMIT REQUIRED	09-APR- 10	01	ACTION ACHIEVED	
00248	9			36	NO PERMIT REQUIRED	09-APR- 10	01	ACTION ACHIEVED	
00246	м			36	NO PERMIT REQUIRED	09-APR- 10	01	ACTION ACHIEVED	
00246	v			36	NO PERMIT REQUIRED	09-APR- 10	01	ACTION ACHIEVED	
00245	0	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	31-MAR- 10	01	ACTION ACHIEVED	
00245	9	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	31-MAR- 10	01	ACTION ACHIEVED	
00245	м	7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	31-MAR- 10	01	ACTION ACHIEVED	
00245		7D	STATE/LOCAL PSD PERMIT ISSUED	33	STATE PERMIT ISSUED	31-MAR- 10	01	ACTION ACHIEVED	
00244	0	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JAN- 10	01	ACTION ACHIEVED	
00244	9	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JAN- 10	01	ACTION ACHIEVED	
00244	M	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JAN- 10	01	ACTION ACHIEVED	
00244	v	PX	STATE/LOCAL PCE/OFF-SITE	37	REPORT DUE- STATE	29-JAN- 10	01	ACTION ACHIEVED	
00243	0	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	29-JAN- 10			
00243	9	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	29-JAN- 10			
00243	м	СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	29-JAN- 10			
00243		СВ	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	cs	TITLE V ANNUAL COMPL CERT DUE/RECVD BY STATE/LOCAL	29-JAN- 10			
00242	0	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 10	мс	IN COMPLIANCE	
00242	9	SR	TV COMPLIANCE CERTIFICATION REVIEW BY STATE/LOCAL	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 10	мс	IN COMPLIANCE	

http://iaspub.eba.gov/enviro/afs reports.detail plt view?p state county compliance src=1... 1/8/2015

00242		м	SR	TV COMP CERTIFIC REVIE STATE/	CATION W BY	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 10	is .	МС	IN COMPLIANCE			
00242		V	SR	TV COMP CERTIFIC REVIE STATE	CATION W BY	SR	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE	29-MAR- 10		МС	IN COMPLIANCE			
00241		0	PX	STATE/		PX	STATE CONDUCTED PCE/ OFF-SITE	17-MAR- 10		01	ACTION ACHIEVED			
00241		9	PX		LOCAL FF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-MAR- 10		01	ACTION ACHIEVED			
00241		М	PX		/LOCAL FF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-MAR- 10		01	ACTION ACHIEVED			
00241		v	PX		/LOCAL FF-SITE	PX	STATE CONDUCTED PCE/ OFF-SITE	17-MAR- 10		01	ACTION ACHIEVED			
00240	00239	0	7C		OCAL NOV	56	STATE NOTICE OF VIOLATION	20-JAN- 10	10					
00240	00239	9	7C		OCAL NOV	56	STATE NOTICE OF VIOLATION	20-JAN- 10						
00240	00239	м	7C		OCAL NOV	56	STATE NOTICE OF VIOLATION	20-JAN- 10						
00240	00239	•	7C		OCAL NOV	56	STATE NOTICE OF VIOLATION	20-JAN- 10						
00239	00239	0	2E		OCAL DAY ERO	04	STATE DAY ZERO	24-JUL- 09		01	ACTION ACHIEVED	THAP		00239
	HPV Day Ze	ro Action:	Date: 24	I-JUL-09	<u>Type</u> : 04	1	Description: STATE DA	Y ZERO						- 1
	HPV Discov	ery:	Date: 09	-JUN-09	Type: 04	1	Description: REPORT D	UE-STATE						
	HPV Addres	sing Action:	Date: 30	D-MAR-11	Type: AW		Description: COMPL BY	STATE/LOG	CAL, NO A	CT REQ	Penalty:			
	HPV Resolu	tion:	Date: 30	0-MAR-11	Type: 2K		Description: COMPL BY	STATE/LOG	CAL, NO A	CT REQ				
	Violation:		Pollutar	t IHAP	Type Codes	GC8	<u>Identifier</u>							
00239	00239	9	2E	I proming the second	OCAL DAY	04	STATE DAY ZERO	24-JUL- 09		01	ACTION ACHIEVED	THAP		00239
	HPV Day Ze	ero Action:	Date: 2	4-JUL-09	<u>Type</u> : 04		Description: STATE DA	Y ZERO	-21	***	•			
	HPV Discov	very:	Date: 0	9-JUN-09	Type: 04		Description: REPORT I	DUE-STATE						
	HPV Addre	ssing Action	Date: 3	0-MAR-11	Type: AW		Description: COMPL B	Y STATE/LO	CAL, NO A	CT REQ	Penalty:			
	HPV Resolu	ution:	Date: 3	0-MAR-11	Type: 2K		Description: COMPL B	Y STATE/LO	CAL, NO	CT REQ	•			
	Violation:		Polluta	ot THAP	Type Codes	GC8	Identifier:							
00239	00239	м	2E	1	LOCAL DAY	04	STATE DAY ZERO	24-JUL- 09		01	ACTION ACHIEVED	THAP		00239
	HPV Day Z	ero Action:	Date: 2	4-JUL-09	Type: 04		Description: STATE DA	AY ZERO						
	HPV Disco	very:	Date: 0	9-JUN-09	<u>Type</u> : 04		Description: REPORT	DUE-STATE						
	HPV Addre	ssing Action	: Date: 3	0-MAR-11	Type: AW		Description: COMPL B	Y STATE/LO	CAL, NO	ACT REQ	Penalty:			
	HPV Resol	ution:	The contract of	30-MAR-11			Description: COMPL B	Y STATE/LO	CAL, NO	ACT REQ				
	Violation:	a ==	Polluta	int THAP	Type Code	g: GC8	Identifier	n	1	4	760	9		
00239	00239	V	2E		LOCAL DAY ZERO	04	STATE DAY ZERO	0 24-JUL- 09		01	ACTION ACHIEVED	THAP		00239
	HPV Day Z	aro Action:	Date:	24-JUL-09	<u>Type</u> : 04		Description: STATE D.	AY ZERO						
	HPV Disco			09-JUN-09			Description: REPORT				1			
		essing Action			Type: AW		Description: COMPL E							
	HPV Reso	lution:	975000000		Type: 2K		Description: COMPL E	SY STATE/LO	CAL, NO	ACT REQ	E			
37-103-20-1-12-1-1	Violation:	1	Polluta	ant: THAP	Type Code	1	1	1	į.		i managara	1	1 1	
00238		0				36	NO PERMIT REQUIRED	23-FEB 10	-	01	ACTION ACHIEVED			
00238		9				36	NO PERMIT REQUIRED	23-FEB 10	-	01	ACTION ACHIEVED			

SEPA Interdibutes Properties
Envirofacts

FRS Facility Detail Report

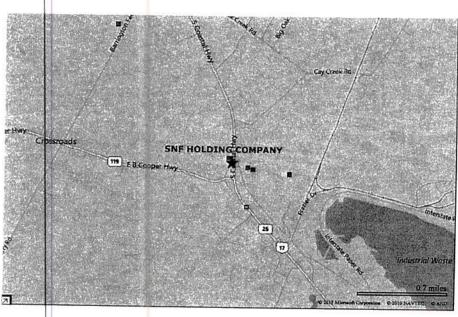


SNF HOLDING COMPANY

1 CHEMICAL PLANT RD RICEBORO, GA 31323 EPA Registry Id; 110043794141 Facilty Registry Service Links

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- o FRS Facility Query
- o FRS EZ Search
- O Organization Search
- FRS Physical Data Model
- FRS Geospatial Model
- Contact Us
- Facility Registry Service (FRS) Home





Legend

- * Selected Facility
- EPA Facility of Interest
- State/Tribe
 Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

nformation System		System Facility Name	Information System Id/Report Link	Environmental Interest Type	C 200 Billion	Last Updated Date	Supplemental Environmental Interest
IO	ENHOUSE GAS REPORTING OL (E-GGRT)	SNF HOLDING COMPANY	1003157	GREENHOUSE GAS REPORTER	E-GGRT		
The second of the second of the second	MPLIANCE INFORMATION SYSTEM	SNF HOLDING COMPANY	3000034199	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	09/28/2012	
	ANCES CONTROL ACT	SNF INC.	6558	TSCA SUBMITTER	TSCA		
	NT DISCHARGE ELIMINATION M.(ICIS-NPDES)	SNF HOLDING COMPANY	GAP050246	ICIS-NPDES NON-MAJOR	ICIS	10/07/2011	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
TOXIC SUBST	ANCES CONTROL ACT	SNF INC.	100607981	TSCA SUBMITTER	TSCA	08/13/2012	ACTIVITY
TOXIC SUBST	ANCES CONTROL ACT	SNF INC.	TSCA9127	TSCA SUBMITTER	TSCA	00.10/2012	

Reports:

MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Data Source	SIC Code	Description	Primary	Data	NAICS	Description					Primar
NPDES	4952	SEWERAGE SYSTEMS		Source	Code						T. Links
	Facil	ity Codes and Flags		E-GGRT	325998				EMICAL PROD	OUCT AND	
	EPA	Region:04		ICIS	325998	ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AN				UCT AND	ND
	Duns N	lumbers				PREPARATION MANUFACTURING.				18	
Con	Congressional District Number: 01					Facilit	y Mailing	Addres	ses	V-1	
	egislative District N	umber		The Samuel Comment							
	HUC Code/Wate	orshed:03060204 / OGEECHEE COASTA	L.	Affiliation 1	YDO	Delivery Point	City Name	State	Postal Code	information	on System
<u> </u>	S Mexico Border Inc	dicator:		PAREN	COMPANY	PO BOX 250	RICEBOR	O GA	31323		TSCA
for the second	Federal Facility:			Contacts							
	Tribal Land:NO										
	Al	ternative Names	-	Affiliation T	YPe	Full Name	Offic	e Phone	Information Sy	stem Ma	iling Address
747				TECHNIC	AL CONTAC	T MR. RUBEN W	ESTIN		TSCA		

Alternative Name	Source of Data	
SNF HOLDING COMPANY	NPDES	
SNF INC.	TSCA	
HOLDING COMPANY, INC.	FRS	

rgan	172	٩i.	\sim r	2

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
PARENT OWNER	SNF HOLDING COMPANY		E-GGRT	
PARENT COMPANY	SNF HOLDING CO		TSCA	View

Menu



Detailed Facility Report

Facility Summary

CHEMTALL INC CHEMICAL PLANT RD, RICEBORO, GA 31323 ①

Facility Information (FRS)

FRS ID: 110027375775

EPA Region: 04 Latitude: 31.74413 Longitude: -81.43673

Locational Data Source: FRS

Industry:

Indian Country: N

Regulatory Interests

Clean Air Act: Operating Major (1317900011) Clean Water Act: Minor, Permit Terminated (GAU050246), Minor, Permit Terminated (GAU010403)

Resource Conservation and Recovery Act: Active (H) SQG (GAD045469160)

Safe Drinking Water Act: No Information

Also Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 31323CHMTLCHEMI

1/8/2015

Enforcement and Compliance Summary A

CWA 4 04/20/2010 No Violation 0 0 4 1 \$5,000	Insp (5 Years)	Date of Last Inspection	Current Compliance Status	Qtrs in NC (of 12)	Qtrs in Significant Violation	- Tellons	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5	1235 1355 1555 15	Penalties from
PCPA 1 194/20/2010 No Violation 0 0 S5,000			No Violation	2 () violation	(5 years)	redois (5 years)	years)		(2
RCRA 12/01/2011 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3: 3:		Accepted of the Assessment of	No Violation	0 ()	i	1	\$5,000	Jours)	years)
1201/2011 No Violation 0	KAI	12/01/2011	No Violation	0				22 20	1	

Related Reports: E CWA Effluent Charts CWA Pollutant Loading Report

Facility/System Characteristics

Facility/System Characteristics

Statute	rocatifici	Universe	Status	Areas	Permit Expiration	Indian		
	110027375775			, meas		Country	Latitude	Longitude
CAA	1317900011	Major	Operating	SIP, NSPS, MACT (SECTION 63 NESHAPS), TITLE V PERMITS	1		31.74413	100
CWA (GAU050246	Minor: Individual IU Permit (Non -NPDES)	Terminated	NESHAPS), TITLE V PERMITS		И		
CWA (GAU010403	Minor: Individual State Issued Permit (Non-NPDES)	Terminated		12/31/2011	٧	31.742778	- 81.433056
EP3133	31323СНМТІСНЕМІ				04/30/2010		31.742778	81.433056
RCRAC	GAD045469160	SQG	Active (H)	the special and the state of th			31.741883	- 81.430941
	114 000	the second debut to the se					31.742778	

Facility Address

System	Identifier	Early M	
FRS	110027375775	Facility Name	P. W.
AFS	1317900011	CHEMTALL INC	CHEMICAL PLANT RD, RICEBORO, GA 31323
CP	GAU050246	SNF - RICEBORO	ONE CHEMICAL PLANT ROAD DICEBORG
CP	GAU010403	CHEMTALL INC	CHEMICAL PLANT RD, RICEBORO, GA 31323
	31323CHMTLCHEMI	CHEMTALL INCORP	CHEMICAL PLANT RD, RICEBORO, GA 31323
	GAD045469160	CHEMTALL INC	CHEMICAL PLANT RD, RICEBORO, GA 31323
	-0.12043409100	SNF CHEMTALL INC	ONE CHEMICAL PLANT ROAD, RICEBORO, GA 31323

Facility SIC Codes

AFS	1317900011 Identifier	SIC Code	
TRI	31323CHMTLCHEMI	2899	SIC Desc
TRI	31323CHMTLCHEMI	2821	The second secon
RI	31323CHMTLCHEMI	2861	
CP	GAU010403	2899	
		2899	

Facility NAICS Codes

System	Identifier	NAICS Code	
AFS	1317900011	THE RESIDENCE OF THE PARTY OF T	NA IOG D
TRI	31323CHMTLCHEMI		All Other Miscellaneous Chemical Product And Product
	31323CHMTLCHEMI		Plastics Material And Resin Manufacturing
		325998	All Other Miscellaneous Chamiltonia
ACK	GAD045469160	325998	All Other Miscellaneous Chemical Product And Preparation Manufacturing All Other Miscellaneous Chemical Product And Preparation Manufacturing
			enemical Product And Preparation Manufacturing

Facility Tribe Information

11		Distance to Tribe (miles)
Tribal Name	EPA Tribal ID	Distance to Tribe (times)
No data records returned	ALCOHOL PROPERTY AND ADMINISTRATION OF THE PROPERTY	

Enforcement and Compliance

Compliance Monitoring History (5 years)

tatute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
100			COMPLIANCE EVALUATION INSPECTION ON-SITE		12/01/2011	No Violations Or Compliance Issues Were Found
	GAD04546916	1	NON-FINANCIAL RECORD REVIEW	State	04/25/2012	by Attalanta On Compliance Issues Were
				State	05/19/2011	
	GAU050246	ICP	Sampling (IU)	State	01/28/2010	
	GAU050246	ICP	Evaluation	State	03/11/2010	
	GAU050246	ICP	Evaluation	State	04/20/2010	
	GAU050246	ICP	Sampling	State	01/28/2010	
	GAU010403	ICP	Evaluation	State	08/30/2012	
	1317900011	AFS	STATE PCE/OFF-SITE	State	07/28/2010	
A contract therest	1317900011	AFS	STATE PCE/OFF-SITE	State	07/21/2011	
	1317900011	AFS	STATE PCE/ON-SITE	State	09/30/2013	
CAA	1317900011	AFS	STATE CONDUCTED FCE/ON-SITE	State	02/25/2014	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	THE RESERVE THE PERSON NAMED IN COLUMN 2 I		
CAA	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV REVWD			Findings: STACK TEST PASSED;
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	08/25/2014	-
	1317900011	AFS	STATE PCE/OFF-SITE	State	03/01/2013	OF Lines STACK TEST PASSED
	1317900011	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State		Findings: STACK TEST PASSED;
and the second properties	1317900011	AFS	TITLE V COMPLIANCE CERTIFICATION REVIEW STATE			Findings: IN COMPLIANCE;
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	12/13/2010	
	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV REVWD	BUT State		3 Findings: STACK TEST PASSED;
CAA	1317900011	AFS	STATE CONDUCTED FCE/ON-SITE	State	09/29/201	
	1317900011	AFS	STATE PCE/OFF-SITE	State	04/15/201	O OTACK TEST FAILED:
	1317900011	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	09/08/201	0Findings: STACK TEST FAILED;
CAA	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV REVWD	BUT State	09/09/201	0Findings: STACK TEST PASSED;
	1317900011	AFS	STATE CONDUCTED FCE/ON-SITE	State	09/30/201	1
CAA	1317900011	Ars	TITLE V COMPLIANCE CERTIFICATION REVIEW	BY State	03/29/201	3Findings: IN COMPLIANCE;
CAA	1317900011	AFS	STATE TITLE V COMPLIANCE CERTIFICATION REVIEW			2 Findings: IN COMPLIANCE;
CAA	1317900011	AFS	STATE	Dave seed a seed of		
CAA	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV REVWD		02/01/201	2Findings: STACK TEST PASSED;
CAA	1317900011	AFS	STATE PCE/ON-SITE	State	A CONTRACT DESCRIPTION	to a common the contract of th
1	1317900011	AFS	TITLE V COMPLIANCE CERTIFICATION REVIEW STATE			4-Findings: IN COMPLIANCE;
CAA	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV	BUT State		13Findings: STACK TEST PASSED;
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	08/02/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	09/17/20	
	1317900011	AFS	STATE PCE/OFF-SITE	State	01/13/20	
	1317900011	AFS	STATE PCE/OFF-SITE	State	02/07/20	10 Findings: STACK TEST PASSED;
CAA		AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	11/18/20	11 Findings: STACK TEST PASSED;
	1317900011	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State		
	1317900011	AFS	STATE PCE/OFF-SITE	State	07/29/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	02/17/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	04/22/20	
CAA	1317900011	AFS	The state of the s	State	06/22/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	09/07/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	03/17/20	
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State		The state of the s
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	11/08/20	and the state of t
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	02/01/20	regarded to the second
-	1317900011	IA TO	STATE PCE/OFF-SITE	State	06/29/20	12

Statute	Source ID	System	inspection Type	Lead Agency	Date	Finding
CAA	1317900011		STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	State	12/13/2013	Findings: STACK TEST FAILED; Pollutant:
CAA	1317900011	AFS	STATE REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD	State	12/13/2013	Findings: STACK TEST PASSED; Pollutant
CAA	1317900011	AFS	STATE PCE/OFF-SITE	State	02/15/2010	SO2;
CAA	1317900011	AFS	TITLE V COMPLIANCE CERTIFICATION REVIEW BY STATE		02/15/2010	Findings: IN COMPLIANCE;
CAA 1	1317900011	AFS	STATE PCE/OFF-SITE			
CAA 1	1317900011	AFS	STATE PCE/ON-SITE	State State	01/29/2010	

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

Statute	Source ID	Current SNC/HPV	Description.		
CAA	1317900011		Description	Current As Of	Qtrs in NC (of 12)
CWA	GAU050246	No	1	01/07/2015	2
CWA	GAU010403		+	09/30/2014	0
RCRA	GAD045469160	No		09/30/2014	0
	19719019109	140	5-019-0-00-0	01/04/2015	0

Three Year Compliance Status by Quarter

Statute	Program/Pollutant/Violation Type	QTR	QT	R 2 Q	TR 3	QTR	4 Q	TR 5	QTR 6	QT	R 7	QTR	8	QTR 9	QTR 10	QTR 11	QTR 12
	A (Source ID: 1317900011)	10/01- 12/31 20		31 06	/01- 5/30 012	07/0 09/3 201	0 12	2/31	01/01- 03/31 2013	06	01- /30 13	07/0 09/3 201	30	0/01-12/31 2013	01/01-03/31 2014	04/01- 06/30	07/01- 09/30
F	acility-Level Status	No Viol	No V	With the Party of	THE PARTY NAMED IN	No Vi	TO STORY OF THE PARTY OF THE PA	-	-	~/	-	-	-			2014	2014
I	IPV History					10 11	01 140	A IOI INC	Viol	No V	101	No Vi	ol In	Viol	In Viol	No Viol	No Viol
P	rogram/Pollutant in Current /iolation				******					1							L
CAA S	IP	S-MSche	4			Т				-	-						
CAA N	ISPS	O MISCIR	_			-				-				i			
CAA N	MACT (SECTION 63 JESHAPS)	S-MSche	d						the								1
CAA T	TTLE V PERMITS	S-MSche	d				-			-							
Statute	Program/Pollutant/Violation		Maria maria	T	1	-	-		-	-	-	-	V-	PROCED	V-PROCED		
Statute	Туре	QTR 1	QTR 2	QTR 3	Q	TR 4	QTR 5	QTR	6 Q	TR 7	QT	R8	QTR	9 QTR	0 QTR 11	QTR 12	QTR 13*
	(Source ID: GAU050246)	10/01- 12/31 2011	01/01- 03/31 2012	04/01- 06/30 2012	0	7/01- 9/30 2012	10/01- 12/31 2012	01/0 03/3 201	1 0	4/01- 6/30	09	/01-	10/01	- 01/01 03/31	- 04/01- 06/30	07/01- 09/30	10/01- 12/31
F	acility-Level Status	Unk	lo Viol	No Viol	-		No Viol			013	deposit a)13	2013	2011	2011	2014	2014
S	NC/RNC History	U(N/A)		110 1101	110	7101	101 011	No Vio	NO NO	Viol	No V	/iol	No Vio	l No Vio	l No Viol	No Viol	Und
CWA	(Source ID: GAU010403)	10/01- 12/31 2011	01/01- 03/31 2012	04/01- 06/30 2012	0	7/01- 9/30 2012	10/01- 12/31 2012	01/01 03/3 2013	1 0	4/01- 6/30	09	/01-	10/01	03/31	06/30	07/01- 09/30	10/01-
F	acility-Level Status	No Viol	No Viol	No Viol	_	-	No Viol	-		013	-	113	2013			2014	2014
	NC/RNC History			10 1101	110	101	100 VIOI	No Vic	I No	Viol	No V	/iol l	No Vio	l No Vio	No Viol	No Viol	Und

*Quarter 13 is draft/unofficial and has not been fully quality assured. Read more

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	OTR 9	QTR 10	OTR 11	OTR 12
	RCRA (Source ID: GAD045469160)	01/01- 03/31 2012	04/01- 06/30 2012	07/01- 09/30 2012	10/01- 12/31 2012	01/01-	04/01- 06/30	07/01- 09/30	10/01- 12/31	01/01- 03/31	04/01-	07/01- 09/30	10/01- 12/31
RCRAF	acility-Level Status		2012	2012	2012	2013	2013	2013	2013	2014	2014	2014	2014

Informal Enforcement Actions (5 Years)

Statute	Source ID	Type of Action		
CAA	1317900011	STATE NOV ISSUED	Lead Agency	Date
CAA	1317900011	STATE NOV ISSUED	State	01/20/2010
CAA	1317900011	STATE NOV ISSUED	State	09/02/2010
CAA	1317900011	STATE NOV ISSUED	State	11/14/2013
		DIAIL NOV ISSUED	State	01/13/2011

Formal Enforcement Actions (5 Years)

Statute	C 70					
Bright Beld or consequence	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Type of Action	Lead Agency	Date	Penalty	Penalty Description
CAA	1317900011	STATE ADMINISTRATIVE ORDER ISSUED	State	07/12/2011	\$5,000	

ICIS Case History (5 years)

Primary Law/Section Case No. Case Type Lead Agency Case Name Issued/Filed Date Settlement Date Federal Penalty State/Local Penalty SEP Cost Comp Action Cost No data records returned

Environmental Conditions

Water Quality

Permit ID	Watershed (HU 8)	C Watershed Name (HUC 8)	Watershed (HUC 12)	Watershed Name (HUC 12)	Receiving Waters	Impaired Waters	Combined Sewer System?
GAU010403		OGEECHEE COASTAL	030602040301		RICEBORO, LIBERTY CO	No	
GAU050246	03060204	OGEECHEE COASTAL	030602040301		Ogeechee RB	No	

Air Quality

No	Non-Attainment Area?	Pollutant(s)	
		Ozone	
No .		Lead	
No		Particulate Matter	

Pollutants

TRI History of Reported Chemicals Released in Pounds per Year at Site ①

TRI Pollution Prevention Report

TRI Facility ID	Year	Total Air Emissions		Surface Water Discharges	Off-Site Transfers to POTWs		Underground Injections	Releases to	Total On-site Releases	Total Off-site Releases
1323CHMTLCHEMI	200543	3,735	0	The state of the s	0		jeenons	1,600	45,335	6,100
1323CHMTLCHEMI			0		0	1		0	45,698	3.340
1323CHMTLCHEMI			1		1,300	o		250	143,274	2,510
1323CHMTLCHEMI	200826	3,533	18		1,400	-		1	263,551	2,220
1323CHMTLCHEMI	200930	2,320	9		1,200			1	302,329	5,060
1323CHMTLCHEMI	201039	6,522	17		1.400	-		+	396,539	3,000
1323CHMTLCHEMI	201137	5,092	10		1,500	-	2.381()-1.388-1.181 11-1	+	375,102	2,250
1323CHMTLCHEMI	201233	0,499	5		1.600	+		+	330,504	2,230
1323CHMTLCHEMI	201335	5,111	18		1,500			1	355,129	2,600

TRI Total Releases and Transfers in Pounds by Chemical and Year

	Chemical Name	2005	2006	2007	2008	2009	2010	2011	2012	2013
2-MERCAPTOBENZOTHIA	AZOLE		,	1 2001	1 2000	2005	1 2010	2011	1 2012	1 2013
ACRYLAMIDE		6,440	8.980	6.810	7.129	6.068	7.908	6,556	6.272	7,013
ACRYLIC ACID		33,770	35,770	34.820	33.270	33 270	36.270	34.270	31,270	35.270
AMMONIA		1.663	1	99,560	221,410	261.210	351.410	331.510	291.610	311,510
CHLOROMETHANE		3,350	3,390	3.341	3.649	3,641	3.669	4.754	3,653	3,655
DIMETHYL SULFATE			1	0	7,012	3,071	5,007	7,754	3,033	3,033
DIMETHYLAMINE		221	1	0		1				
ETHYLENE GLYCOL		5,100		0		2.900	-	-		

Chemical Name	2005	2006	2007	2008	2009	2010	2011	2012	2013
FORMALDEHYDE	465	470	645	185	174	165	161	103	161
MALEIC ANHYDRIDE				1				-	100
METHANOL	426	428	608	128	126	117	101	66	120
NITRIC ACID				1				-	-
PHOSPHORIC ACID				-		-	-		1
SODIUM HYDROXIDE (SOLUTION)		-	-				-	-	-
SULFURIC ACID (1994 AND AFTER ACID AEROSOLS ONLY)			1		1	1			

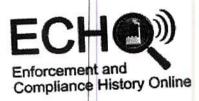
Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Land Are	ea: 9	4%	Households	in Area:	450
Center latitude:	31.743334	Water Ar	rea: 6	5%	Housing Unit	s in Area:	529
Center Longitude:	-81.433609	Population D	Density: 4	4/sq.mi.	Households on Pub	CONTRACTOR OF THE PARTY AND TH	27
Total Persons:	1,187	Percent Min	nority:	34%	Persons Below P	overty Level:	604
Race Breakd	-	Persons (%)		A	ge Breakdown	Persons	(%)
White:		192 (16.18%)		Child 5	years and younger:	68 (5.73%)	
African-Ame	rican:	970 (81.72%)		Minors 1	7 years and younger:	259 (21.82%)	
Hispanic-Or		18 (1.52%)		Adults	18 years and older:	928 (78.18%)	
Asian/Pacific Is		2 (.17%)		Seniors	65 years and older:	187 (15.75%)	
American In		1 (.08%)	and the same of th				
Other/Multir	acial:	22 (1.85%)					
Education	Level (Persons 25	& older)	Persons (%)	Income Breakdown	Household	ls (%)
Lo	ess than 9th Grade	:	78 (9.32%)		Less than \$15,000:	103 (23.36%)	
9th	through 12th Grac	le:	127 (15.17%)		\$15,000 - \$25,000:	83 (18.82%)	
	gh School Diplom		393 (46.95%)		\$25,000 - \$50,000:	113 (25.62%)	
	ome College/2-yr:		164 (19.59%)		\$50,000 - \$75,000:	51 (11.56%)	
	3.S./B.A. or More:		75 (8.96%)		Greater than \$75,000:	91 (20.63%)	

Menu



Detailed Facility Report

Facility Summary

SNF HOLDING COMPANY 1 CHEMICAL PLANT RD, RICEBORO, GA 31323 ①

Facility Information (FRS)

FRS ID: 110043794141

EPA Region: 04 Latitude: 31,74538 Longitude: -81.44007

Locational Data Source: FRS

Industry:

Indian Country: N

Regulatory Interests

Clean Air Act: No Information

Clean Water Act: Minor, Permit Effective (GAP050246) Resource Conservation and Recovery Act: No Information

Safe Drinking Water Act: No Information

Also Reports

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): 1003157

Toxic Releases (TRI): No Information

Enforcement and Compliance Summary 🛦

Statute	Insp (5 Years)	Date of Last Inspection	Current Compliance Status	Qtrs in NC (of 12)	Qtrs in Significant Violation		Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5	EPA	Penalties from
CAA CWA	2	12/13/2013	Unknown	2 0		(5 years))	years)	years)	EPA Cases (5 years)

Related Reports: CWA Effluent Charts CWA Pollutant Loading Report

Facility/System Characteristics

Facility/System Characteristics

Statute	Identifier	Universe	Chat					
	11004379414		Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
CAA			Reported C02e: 2010, 2011, 2012, 2013			-	31.74538	
CWA		Minor: Individual IU Permit (Non-NPDES)	Effective	CO2e (excluding Biogenic CO2): 72696		N		
		r crimit (NOII-INPDES)			09/30/2016	N	31.742778	-

Facility Address

	The state of the s	Facility Name	Identifier	System
Probability of the second seco	Facility Address	SNF HOLDING COMPANY	110043794141	FRS GHG
	1 CHEMICAL PLANT RD, RICEBORO, GA 31323	SNF Holding Commen	0.157	
	One CHEMICAL PLANT RD, RICEBORO, GA 31323	SNF HOLDING COMPANY	0111 030240	
-	1 CHEMICAL PLANT RD, RICEBORO, GA 31323	OBDING COMPANY		

Facility SIC Codes

System		Identifier		=30%	
ICP	GAP050246	raciane	4952 SIC C	Code	SIC Desc
N200			1752		

Facility NAICS Codes

System	Identifier	NAICS Code	NAICS Desc All Other Miscellaneous Chemical Product And Preparation Manufacturing
GHG	1003157	325998	

Facility Tribe Information

Tribal Name EPA Tribal ID Distance to Tribe No data records returned	miles)
---	--------

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute CWA	Source ID	System	Inspection Type			
CWA	GAP050246 GAP050246	ICP ICP	Evaluation Sampling (IU)	State State	Date 12/13/2013 05/22/2012	Finding

		Contam	Inspection Type	Lead Agency	Date	Finding
Statute	Source ID	System	Sampling (IU)	State	05/23/2013	1
CWA	GAP050246	ICP	A STATE OF THE PARTY OF THE PAR	EPA	03/13/2012	
CWA / §311	3000064599	ICIS	Evaluation	EPA	03/13/2012	

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

					2201 (210)
C	Source ID	Current SNC/HPV	Description	Current As Of	Qtrs in NC (of 12)
Statute		Current British		09/30/2014	2
CWA	GAP050246				

Three Year Compliance Status by Quarter

Statute	Program	/Pollu	tant/Violation	n Type	OTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13*
Statute	1		: GAP05024		10/01- 12/31 2011	01/01- 03/31 2012	04/01- 06/30 2012	07/01- 09/30 2012	10/01- 12/31 2012	01/01- 03/31 2013	04/01- 06/30 2013	07/01- 09/30 2013	10/01- 12/31 2013	01/01- 03/31 2014	04/01- 06/30 2014	07/01- 09/30 2014	10/01- 12/31 2014
	Facility-Leve	1 Statu	c		No Viol	No Viol	No Viol	Unk	In Viol	Unk	Unk	In Viol	Unk	Unk	Unk	Unk	Und
	SNC/RNC H					-		W(N/A)	W(N/A)	W(N/A)	W(N/A)	W(N/A)	W(N/A)	W(N/A)	W(N/A)	W(N/A)	<u> </u>
	SNC/KNC II	istory	Discharge			1		1		Applica & Application of the		Am					
	Pollutant		Point	Frequency	<u> </u>			.,		-			T		1	1	1
CWA	Cyanide, tota CN]	l [as	0A0	NMth					5%					-	-		
		ide					1	5 TT 5 STEED		1	1	168%	1		1	12	1

^{*}Quarter 13 is draft/unofficial and has not been fully quality assured. Read more

Informal Enforcement Actions (5 Years)

			Lead Agency	Date
Statute	Source ID	Type of Action	1 Lead Agency	

Formal Enforcement Actions (5 Years)

					79-19	
Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
No data records	returned				Av. 908	

ICIS Case History (5 years)

Primary Law/Section | Case No. | Case Type | Lead Agency | Case Name | Issued/Filed Date | Settlement Date | Federal Penalty | State/Local Penalty | SEP Cost | Comp Action Cost | No data records returned

Environmental Conditions

Water Quality

Permit ID | Watershed (HUC 8) | Watershed Name (HUC 8) | Watershed (HUC 12) | Watershed Name (HUC 12) | Receiving Waters | Impaired Waters | Combined Sewer System? |
GAP050246 03060204 OGEECHEE COASTAL

Air Quality

		Pollutant(s)
Non-A	ttainment Area?	1 Olidian(3)
11011		200 1200 COO A A Set 1 (40 CO ED CO

Non-Attainment Area?	Pollutant(s)
Non-Attainment Area?	Pollutant(s)
No	Ozone Politiani(s)
NO	Lead
No	Particulate Matter

Pollutants

TRI History of Reported Chemicals Released in Pounds per Year at Site ①

TRI Facility	Total Air	Surface Water	I complete the com				
ID Year	Emissions	Discharges	Off-Site Transfers to POTWs	Underground Injections	Releases to	Total On-site	Total Off-site
No data records retu	irned			Hijochons	Land	Releases	Releases

TRI Total Releases and Transfers in Pounds by Chemical and Year

No data records returned	Chemical Name	

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area: 3		Land A	Land Area:		Households in A			
Center latitude:	31.74538	31.74538 Water A		95% 5%	Households in Area:		481	
Center Longitude:	-81.44007	Population		47/sq.mi.	Housing Units in Area:		564	
Total Persons:	1,276	Percent M		CONTRACTOR OF STREET,	Households on Pu	blic Assistance:		
Race Breakdo	wn	Persons (%)	NATIONAL PROPERTY AND ADDRESS OF THE PARTY O		Persons Below Poverty Level:		63	
White:				Age Breakdown		Persons (%)		
African-Ameri	onn:	194 (15.2%)	-	Child 5 years and younger:		73 (5.72%)		
		1,057 (82.84%)		Min	283 (22.18%)			
Hispanic-Origin:		19 (1.49%)	.)		dults 18 years and older:	994 (77.9%)		
Asian/Pacific Islander:		2 (.16%)		Seniors 65 years and older:				
American Indian:		1 (.08%)			or jours and order.	200 (15.67%)		
Other/Multiracial:		23 (1.8%)						
Education I	evel (Persons 25	& older)	Per	Fronc (9/1)		Photo and a gradual and a grad		
Less than 9th Grade:			Persons (%)		Income Breakdown	Households (%)		
9th through 12th Grade:			80 (9.02%)		Less than \$15,000:	105 (22.53%)		
High School Diploma:			136 (15.32		\$15,000 - \$25,000:	87 (18.67%)		
Some College/2-vr:			411 (46.34		\$25,000 - \$50,000:	121 (25.97%)		
B.S./B.A. or More:			180 (20.29	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE OW	\$50,000 - \$75,000:	54 (11.59%)		
B.S./B.A. or More:			80 (9.02%)		Greater than \$75,000:	99 (21.24%)		

Print This Article

Chemtall adding to Riceboro facilities

By Denise Etheridge Staff writer July 19, 2013

Riceboro dity officials confirmed this week that SNF Chemtall Inc. is building a development laboratory at its Riceboro facility.

"The building was fully vetted by the council," Riceboro Mayor Bill Austin said. "We have assurances from Chemtall that they won't have any more hazardous materials (at the lab) as you would store in your garage."

Chemtall manufactures water-soluble polymers that are used in municipal, industrial and wastewater-treatment facilities as well as specialty applications, according to the company's website, snfinc.com.

SNF Chemtall representatives were unable to comment on the new laboratory by press time Thursday.

Austin said the council believes the new laboratory will not pose any threat to public health, since Chemtall will not be storing large quantities of materials in or around the new building. The mayor stressed the company went through the proper channels during a six-month period to plan, design and get the proper permitting for the new building. Chemtall representatives went before the Liberty Consolidated Planning Commission, and a hearing was advertised and later held at Riceboro City Hall, Austin said.

The Riceboro City Council approved the company's design and construction plans for the new laboratory Feb. 5, and approved Chemtall's rezoning request for the property to be rezoned general commercial March 5.

LCPC Assistant Zoning Administrator Gabriele Hartage said the laboratory is part of the construction project's first phase, and that two more buildings, to be used for administrative purposes, would be built in the final phase.

Hartage said the new lab building is about "halfway finished." There also is gravel parking and some decorative fencing facing Highway 17, she added. Paved parking should be installed in the project's final phase.

http://coastalcourier.com/archives/58142/

Print This Article

Savannah Tech board lauds Chemtall

Special to the Courier July 24, 2011

SNF Chemtall in Riceboro was one of three South Georgia manufacturers recently honored at Savannah Technical College's board of directors' June meeting for having been chosen to participate in the annual Manufacturer of the Year competition.

The contest is a part of the annual Manufacturing Appreciation Week in Atlanta. Daniel Defense in Black Creek and Derst Baking in Savannah also were honored. Every year during Manufacturing Appreciation Week, several of the state's most productive companies are named Manufacturers of the Year at the governor's awards luncheon. Manufacturing Appreciation Week was developed by the Technical College System of Georgia and the Georgia Department of Economic Development.

Companies are nominated by technical colleges in their communities. Savannah Technical College nominated seven companies, including JCB Inc., International Paper, Weyerhauser Company and LMI Kitting, LLC. LMI was selected as the Manufacturer of the Year in the category of small manufacturer.

http://coastalcourier.com/archives/34121/

Print This Article

Chemtall buys chairman's property

By Frenchi Jones Staff writer fjones@coastalcourier.com March 2, 2009

Riceboro-based Chemtall is buying more property near its plant.

A house owned by John McIver, chairman of the Liberty County Commission, was purchased by the international corporation on Jan. 30 for almost eight times its appraised value.

The 1,100 square-foot home, which faces South Highway 17, is a three bedroom house on approximately 1.2 acres of land, directly in front of the plant.

In 2007, the Liberty County Tax Assessors Office appraised the market value of the home to be \$56,512.

Chemtall paid McIver approximately \$400,000. The estimated amount is based on the \$400 real estate transfer tax that is listed on the deed.

McIver would not elaborate on the sale, saying it should not be anyone's concern. "If I sold my property, that is my personal business and I am not going to talk about it," he said.

Jim Carlson, who represents Chemtall, said his company respects McIver's privacy.

"What we do with McIver is between Mr. McIver and ourselves," he said. "We're respecting his wishes and he's respecting our wishes."

The last private property purchases made by Chemtall, according to the Liberty County clerk's office records, were in 2006 and 2007.

In 2007, Chemtall purchased the property of the Shilo Mission Temple. There was no transfer tax on the deed. In 2007, it purchased James Horton's property, also along Highway 17, for approximately \$100,000, according to the deed.

Horton's house sat on 3.2 acres near the plant.

Carlson would not give an explanation for the McIver purchase, but he did say there are no plans for the plant to expand.

"We are not looking to do any development on that piece of property," he said. In the past, company officials have said they were interested in buying property near the plant so residents could move farther away from it.

http://coastalcourier.com/archives/12190/

Print This Article

Chemtall wants permits to expand, residents want more study

By Joe Parker Jr.
Courier Correspondent
jparkerjr@coastalcourier.com
April 8, 2008

The sentiment of the standing-room-only crowd at the Environmental Protection Division's public hearing on the new permit for the SNF plant at Riceboro seemed to agree with the five speakers: We haven't had time to study this adequately, postpone the decision.

If approved, the new air quality permits would allow the plant to expand operations.

Chandra Brown, representing the Ogeechee-Canoochee Riverkeepers, was the first to make an official for-the-record statement for consideration by EPD and she called for an extension of the public comment period before granting the permit. "This needs a comprehensive review," Brown said.

Brown noted that the plant had made 10 permit changes since 2003 and asked if the multiple changes had been evaluated together to see if their combined effect would trigger the environmental watchdog agency's Prevention of Significant Deterioration procedure.

EPD officials said they had not.

The incineration of methanol on the plant site is a concern of Brown's, and she noted that the federal Environmental Protection Agency's Enforcement & Compliance History Online (ECHO) Web site showed Chemtall had been in noncompliance for 12 quarters during the past three years.

ECHO shows no current significant violations, and EPD said the firm had been in compliance since a consent order in April 2007.

Four other speakers went on the record asking EPD to delay permit approval and obtain more public input. One of the four, Pastor Tawanna LeCounte, also called for an advisory committee to improve public communication with SNF Riceboro and other large industries, some of which, she noted, are not good corporate citizens as SNF is.

Chemtall's plant manager David Kaye, who attended the meeting along with the firm's top safety official, has said the highly technical permit will allow modifications that are part of the firm's continued growth, that the company will increase the output of existing equipment as well as installing new equipment.

The plant will employ more workers as a result of the expansion.

"We added 120 workers last year," Kaye said, "I don't know what the exact future number will be, but along the same rate."

Written statements may be mailed to the EPD commenting on the permit and should be sent to:

James Capp

Print This Article

Chemtall gets permits to expand

By Joe Parker Jr.
Staff writer
jparkerjr@coastalcourier.com
September 18, 2008

Citizens at a public meeting in March were united in saying a new SNF-Chemtall permit needed more study and more input, but the state Environmental Protection Division has approved the permit.

Chemtall's plant manager David Kaye said the highly technical permit will allow modifications that are part of the firm's continued growth and that the company will increase the output of existing equipment as well as install new equipment. The plant will employ more workers as a result of the expansion.

"We added 120 workers last year," Kaye said, "I don't know what the exact future number will be, but along the same rate."

The standing-room-only crowd at the March hearing appeared to be in agreement with five citizens who made official statements, led by Chandra Brown of the Ogeechee-Canoochee Riverkeepers.

Each of the speakers asked for more time to study Chemtall's proposal.

"This needs a comprehensive review," Brown said.

Brown noted that the plant had made 10 permit changes since 2003 and asked if the multiple changes had been evaluated together to see if their combined effect would trigger the environmental watchdog agency's Prevention of Significant Deterioration procedure.

EPD officials said they had not.

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ECHO shows no current significant violations, and EPD said the firm had been in compliance since a consent order in April 2007.

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A matter not directly related to the permit, the possibility of an evacuation of the chemical plant's area, drew sharp attention at the March meeting.

When asked about the evacuation plan, Kaye said, "We don't have one," going to explain that he meant that the plan was probably was not practical.

Riceboro has no police department, and Kaye said if an evacuation were needed it would mean calling the sheriff's department and going from door to door to warn

		*	

SNF HOLDING COMPANY

February 21, 2014

Mrs. Karen Hays
Georgia Department of Natural Resources
Environmental Protection Division
Air Protection Branch – Stationary Source Compliance Program
4244 International Parkway, Suite 120
Atlanta, Georgia 30354

Subject:

2013 Title V Annual Compliance Certification SNF Holding Company - Riceboro, Georgia Georgia Title V Permit No. 2899-179-0011-V-02

Dear Mrs. Hays:

SNF Holding Company (SNF-Riceboro) is submitting the attached 2013 Title V Annual Compliance Certification to the Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch (Georgia EPD). The report covers the period from January 1, 2013 through December 31, 2013.

If you have any questions or comments regarding this report, please contact Brent Hanson of SNF at (912) 884-8736 or Chuck Schendl of Global Environmental Solutions, Inc. (GESI) at (770) 919-9552, ext. 226.

Sincerely,

SNF HOLDING COMPANY

David Kaye

Vice President, Chemtall Incorporated

nn Kasmark

Site Manager, Flocryl Inc.

cc:

US EPA Region IV

Air and EPCRA Enforcement Branch

61 Forsyth Street Atlanta, GA 30303

Brent Hanson - SNF

Charles Schendl - GESI





4244 International Parkway Suite 120 Atlanta, Georgia 30354 (404) 363-7000 Fax: (404) 363-7100

TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 1 – FACILITY INFORMATION AND CERTIFICATION

FACILITY INFORMATION

Period Covered By 1	Repor	: January 1, 20	013 to	Decemb	er 31, 2	.013						
Facility Name:	SNF	- Riceboro					AI	RS Nun	iber:		04-13-179-000)11
Facility Physical Ad	ldress:	Chemical Plan	t Roa	d								
City: Riceboro					State:	GA		ZIP Co	ode:	313	23	
Facility Mailing Add	dress:	P.O. Box 250										
City: Riceboro				State:	GA	V = V = V		ZIP Co	de:	313	23	
Responsible Official		David Kaye John Kasmark		Phone:		84-3366 80-8006			FAX	•	2-884-5031 2-880-8005	
Environmental Cont		Brent Hanson		Phone:	912-	884-873	36		FAX	: 91	2-884-5031	
Permit and Amendment Number(s):	2899 2899 2899 2899 2899 2899 2899 2899	-179-0011-V-02-0 -179-0011-V-02-1 -179-0011-V-02-2 -179-0011-V-02-3 -179-0011-V-02-4 -179-0011-V-02-5 -179-0011-V-02-7 -179-0011-V-02-8 179-0011-V-02-9 179-0011-V-02-A	Am	mit and endment extive e(s):	June Nove Nove Decer May Septe Janua April April	h 12, 20 7, 2010 mber 1, mber 15 mber 21, 13, 2011 mber 8, ry 19, 20 17, 2012 26, 2013 st 29, 20	2010 , 201 , 201 2011 012 2	0	Rule C	ompl	iance date: 11/10)/11)
TRUTH, ACCURAC	TV A	ND COMBLETEN	ECC (PEDTIEN	CATIO	N DV I) FOI	ONIGID	TRAF	- Dra		
I certify that, based o	n info	rmation and belief	forme	ed after re	CATIO	N BY F	CESI	ho states	LE OF	FIC	IAL	
contained in the attac	chedia	nnual compliance c	ertific	ration are	e true a	ic iliqui curate	and	comple	nents a	and i	ntormation	
Signature:	ð	Maje			rue, a	Dat		2/2		' K		
Responsible Official	Title:	Wice Presiden	ıt					/				
Signature:		Jm				Dat	te: ,	2/2/	1/14	1		
Responsible Official	Title:	Site Manager						2	. La			
Number of Attached	Pages	: 38										

For the purposes of this form, the term "deviation" includes any excess emissions, exceedance, or excursion identified in the permit or any non-compliance with any term or condition of the Title V Operating Permit including those attributable to equipment malfunction, breakdown, or upset condition. The acknowledgement of deviations from the specific permit requirements is not necessarily an acknowledgement of a violation. However, failure to report any and all deviations may constitute a violation of the Title V Operating Permit.

The Title V Annual Compliance Certification must be submitted to both the Georgia EPD and US EPA Region IV.

Georgia EPD Air Protection Branch Stationary Source Compliance Program 4244 International Parkway, Suite 120 Atlanta, GA 30354

US EPA Region IV Air and EPCRA Enforcement Branch 61 Forsyth Street Atlanta, GA 30303



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status Monitoring		Identification of Deviations			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 2.2.1	Continuous Intermittent Not Applicable	Other – informational only			0	
V-02-0 3.1	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-1 3.1.1	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-2 3.1.2	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-3 3.1.3	Continuous Intermittent Not Applicable	Other - periodic review	3		0	
V-02-4 3.1.4	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-6 3.1.6	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-8 3.1.8	Continuous Intermittent Not Applicable	Other - periodic review			0	
V-02-A 3.1.A	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other - periodic review	y.		0	
V-02-0 3.2.1	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0	
V-02-5 3.2.1		ST			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro			
AIRS Number:	04-13-179-00011	F	For Reporting Period:	January 1, 2013 to December 31, 2013
Permit Number	Compliance Status	Monitoring	2	Identification of Deviations

Permit Number	Compliance Status	Monitoring	I Idanie		
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.2.2	□ Continuous □ Intermittent □ Not Applicable	ST			0
V-02-0 3.2.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST			0
V-02-0 3.2.4	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
V-02-4 3.2.4		ST			0
V-02-0 3.2.5	Continuous Intermittent Not Applicable	ST, Other – engineering calculations (6.2.15)			0
V-02-0 3.2.6	Continuous Intermittent Not Applicable	Condition Amended			0
V-02-4 3.2.6	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, Other – engineering calculations (6.2.15)			0
V-02-0 3.2.7	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
V-02-8 3.2.7	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, Other – engineering calculations (not all emission units constructed) (6.2.15)			0



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Fax: (404) 363-7100

TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identification of Deviations			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 3.2.8	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0	
V-02-8 3.2.8	Continuous Intermittent Not Applicable	ST, Other – engineering calculations (not all emission units constructed) (6.2.19)			0	
V-02-0 3.2.9	Continuous Intermittent Not Applicable	Condition Amended			0	
V-02-8 3.2.9	Continuous Intermittent Not Applicable	RR, Other - not producing IPA dispersants (not all emission units constructed) (6.2.16,6.2.18)			0	
V-02-0 3.2.10	Continuous Intermittent Not Applicable	Condition Amended			0	
V-02-8 3.2.10	Continuous Intermittent Not Applicable	ST (not all emission units constructed)			0	
V-02-0 3.2.11	Continuous Intermittent Not Applicable	Condition Amended			0	
V-02-8 3.2.11	□ Continuous □ Intermittent □ Not Applicable	Other – engineering calculations (not all emission units constructed) (6.2.17)			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 - COMPLIANCE STATUS

Facility Name:	SNF - Riceboro	411.00				
AIRS Number:	04-13-179-00011	F	or Reporting Period:	Janua	ary 1, 2013 to December 31,	2013
Permit Number	Compliance Status	Monitoring	g	Identific	ation of Deviations	
& Condition Number		Method	Previously Rep	orted	Not Previously Reported	Total

Permit Number	Compliance Status	Monitoring	Identification of Deviations			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 3.2.12	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0	
V-02-A 3.2.12	Continuous Intermittent Not Applicable	ST (6.2.19)	2540 5000		0	
V-02-0 3.2.13	Continuous Intermittent Not Applicable	RR (6.2.18)			0	
V-02-0 3.3.1	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.2	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR			0	
V-02-0 3.3.4	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, OMP			0	
V-02-0 3.3.5	□ Continuous □ Intermittent □ Not Applicable	RR, Other – LDAR program			0	
V-02-0 3.3.6	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, OMP			0	
V-02-0 3.3.7	☐ Continuous ☐ Intermittent ☑ Not Applicable	ST, Other – engineering calculations (6.2.7)			0	
V-02-0 3.3.8	☐ Continuous ☐ Intermittent ☑ Not Applicable	PMS (5.2.1.b)			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
AIRS Number:	04-13-179-00011	Tor resporting a cried.	

Permit Number	Compliance Status	Monitoring	Identification of Deviations			
& Condition Number	Compilance status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 3.3.9	☐ Continuous ☐ Intermittent ☐ Not Applicable	PMS (5.2.1.c)			0	
V-02-0 3.3.10	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.11	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.12	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.13	Continuous Intermittent Not Applicable	RR			0	
V-02-0 3.3.14	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0	
V-02-0 3.3.15	Continuous Intermittent Not Applicable	ST, PMS (5.2.1.d)	1 st semi-annual report – 3 deviations 2 nd semi-annual report – 3 deviations		6	
V-02-0 3.3.16	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, PMS (5.2.1.d)	1 st semi-annual report – 4 deviations 2 nd semi-annual report – 4 deviations		8	
V-02-0 3.3.17	☐ Continuous☐ Intermittent☐ Not Applicable	Other – work practice			0	
V-02-0 3.3.18	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0	
V-02-0 3.3.19	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	ication of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.3.20	□ Continuous □ Intermittent □ Not Applicable	ST, PMS (5.2.1.e)		*	0
V-02-0 3.3.21	Continuous Intermittent Not Applicable	ST, PMS (5.2.1.f)			0
V-02-0 3.3.22	□ Continuous □ Intermittent □ Not Applicable	RR, Other- LDAR program		543	0
V-02-0 3.3.23		RR,OMP			0
V-02-0 3.3.24		PMS, RR, Other – LDAR program			0
V-02-0 3.3.25	Continuous Intermittent Not Applicable	RR			0
V-02-0 3.3.26		RR			0
V-02-0 3.3.27	○ Continuous │ Intermittent │ Not Applicable	PMS, RR, Other – periodic sampling			0
V-02-0 3.3.28		RR, IN, Other - LDAR program (6.2.31)			0
V-02-0 3.3.29	○ Continuous ○ Intermittent ○ Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.30	☐ Continuous ☐ Intermittent ☑ Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.31		RR, Other – LDAR program			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.3.32	○ Continuous ○ Intermittent ○ Not Applicable	RR, IN, Other - LDAR program (6.2.35, 6.2.36, 6.2.40)			0
V-02-0 3.3.33	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.34	Continuous Intermittent Not Applicable	Other - LDAR program/ Equipment design			0
V-02-0 3.3.35	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program (6.2.36, 6.2.40)			0
V-02-0 3.3.36	□ Continuous □ Intermittent □ Not Applicable	RR, Other – LDAR program (6.2.36)			0
V-02-0 3.3.37	Continuous Intermittent Not Applicable	RR, Other – LDAR program (6.2.36, 6.2.40)			0
V-02-0 3.3.38	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.39	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.40	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0
V-02-0 3.3.41	Continuous Intermittent Not Applicable	RR, Other – LDAR program			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
			7 -, 10 10 2 000111001 31, 2013

Permit Number	Compliance Status	Manitonia	· · · · · ·		
& Condition	Compliance Status	Monitoring Method		cation of Deviations	
Number			Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0	○ Continuous	RR, Other -			0
3.3.42	Intermittent	LDAR			
	☐ Not Applicable	program			
*****		(6.2.42)		1	
V-02-0	Continuous	RR, IN, Other			0
3.3.43	Intermittent	– LDAR			
11.02.0	Not Applicable	program			
V-02-0	Continuous	RR, Other –			0
3.3.44	Intermittent	LDAR		1	
	☐ Not Applicable	program			
V-02-0	Ma.:	(6.2.42)			
3.3.45	Continuous	RR, Other –			0
3.3.43	Intermittent	LDAR			
	Not Applicable	program		1	
V-02-0	Continuous	(6.2.42, 6.2.45)			
3.3.46	Intermittent	RR, IN, Other			0
3.3.40	Not Applicable	– LDAR		1	
		program (6.2.43, 6.2.45)		1	
V-02-0	Continuous	RR, IN, Other			
3.3.47	Intermittent	- LDAR			0
aracetava vii	☐ Not Applicable	program/			
		Equipment			
		design			
		(6.2.43, 6.2.45)			
V-02-0	Continuous	RR, IN, Other			0
3.3.48	Intermittent	– LDAR			2000
	☐ Not Applicable	program			
		(6.2.43, 6.2.45)			
V-02-0	○ Continuous	RR, IN, Other			0
3.3.49	Intermittent	– LDAR			
	☐ Not Applicable	program			
VI 00 0	7.	(6.2.43, 6.2.45)			
V-02-0	Continuous	RR, IN, Other			0
3.3.50	Intermittent	– LDAR			
	☐ Not Applicable	program			



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number	Companies a mass	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.3.51	□ Continuous □ Intermittent □ Not Applicable	RR, Other – LDAR program (6.2.43, 6.2.45)			0
V-02-0 3.3.52	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – LDAR program/ Equipment design			0
V-02-0 3.3.53	○ Continuous ☐ Intermittent ☐ Not Applicable	Other – LDAR program/ Equipment design	a.		0
V-02-0 3.3.54	Continuous Intermittent Not Applicable	RR, Other – LDAR program		×	0
V-02-0 3.3.55	Continuous Intermittent Not Applicable	RR (6.2.46)			0
V-02-0 3.3.56	Continuous Intermittent Not Applicable	RR			0
V-02-0 3.3.57	Continuous Intermittent Not Applicable	RR			0
V-02-0 3.3.58	Continuous Intermittent Not Applicable	RR			0
V-02-0 3.3.59		RR			0
V-02-0 3.3.60		RR	e50		0
V-02-0 3.3.61	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR			0
V-02-0 3.3.62	Continuous Intermittent Not Applicable	RR			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	1	Identification of Deviations			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.3.63	☐ Continuous ☐ Intermittent ☑ Not Applicable	RR			0
V-02-0 3.3.64	☐ Continuous ☐ Intermittent ☑ Not Applicable	RR			0
V-02-0 3.3.65	□ Continuous □ Intermittent □ Not Applicable	RR			0
V-02-0 3.3.66		RR			0
V-02-0 3.3.67		RR			0
V-02-2 3.3.68	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, PMS (not all emission units constructed) (5.2.12.a)	1 st semi-annual report – 1 deviation 2 nd semi-annual report – 7 deviations		8
V-02-2 3.3.69	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, PMS (not all emission units constructed) (5.2.12.a)	1 st semi-annual report – 2 deviations 2 nd semi-annual report – 7 deviations	TO	9
V-02-2 3.3.70		Other – work practice			0
V-02-2 3.3.71		RR, Other – LDAR program (not all emission units constructed)			0
V-02-2 3.3.72	Continuous Intermittent Not Applicable	RR			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number	•	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-2 3.3.73	Continuous Intermittent Not Applicable	RR (not constructed)			0
V-02-2 3.3.74	Continuous Intermittent Not Applicable	RR, OMP (not all emission units constructed)			0
V-02-2 3.3.75	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program (not all emission units constructed)	24		0
V-02-2 3.3.76	Continuous Intermittent Not Applicable	RR (not all emission units constructed)	0		0
V-02-2 3.3.77	○ Continuous ○ Intermittent ○ Not Applicable	RR (not all emission units constructed)			0
V-02-2 3.3.78	☐ Continuous ☐ Intermittent ☐ Not Applicable	PMS, RR, Other – periodic sampling (not all emission units constructed)		2.	0
V-02-2 3.3.79	□ Continuous □ Intermittent □ Not Applicable	RR, IN, Other - LDAR program (not all emission units constructed) (6.2.59)			0
V-02-2 3.3.80	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other - LDAR program (not all emission units constructed)			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		ZERICE STATUS		
AIRS Number:	04-13-179-00011		F. D		
	1 15 175 00011		For Reporting Period:	January 1, 2013 to December	31, 20
Permit Number & Condition	Compliance Status	Monitoring Method		entification of Deviations	,
Number V-02-2	Mari	E)	Previously Repor	Not Previously Reported (See Part 3)	Tot
3.3.81	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other - LDAR program (not all emission units		(See Part 3)	0
V-02-2 3.3.82	Continuous Intermittent Not Applicable	constructed) (6.2.62) RR, IN, Other LDAR			0
V-02-2		program (not all emission units constructed)			
3.3.83	⊠ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other - LDAR program (not all emission units			0
V-02-2 3.3.84	Continuous Intermittent	constructed) (6.2.62) RR, Other – LDAR			0
	Not Applicable	program (not all emission units constructed) (6.2.62, 6.2.65)			
3.3.85		RR, IN, Other - LDAR program (not all emission units			0

Monitoring Method Abbreviations: RR = Recordkeeping Requirement; ST = Source Testing; CEMS = Continuous Emissions Monitoring System; COMS = Continuous Opacity Monitoring System; CFM = Continuous Fuel Monitoring; VE = Visible Emissions Monitoring; PEMS = Predictive Emissions Monitoring System; CERMS = Continuous Emission Rate Monitoring System; PMS = Parametric Monitoring System; OMP = Operations and Maintenance Plan; IN = Inspection; Other = Method not listed, provide description.

constructed) (6.2.63, 6.2.65)



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

2122	- COMPLIANCE STATES	
	For Reporting Period:	January 1, 2013 to December 31, 2013
	Riceboro 179-00011	Riceboro Pariod:

	0.1.1	Monitoring	Identific	ation of Deviations	
Permit Number & Condition	Compliance Status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
Number	100000				0
V-02-2	□ Continuous	RR, IN, Other -		1 1	
3.3.86	Intermittent	LDAR			
	☐ Not Applicable	program/			
		Equipment			
		design (not all emission units		4	
		constructed)			
	1				
		(6.2.63, 6.2.65)			0
V-02-2	□ Continuous	RR, IN, Other -			
3.3.87	Intermittent	LDAR			
V-277-0-0-0-1-1-1	☐ Not Applicable	program (not all emission		(4)	
		units			lo .
6)		constructed)			1
		(6.2.63, 6.2.65)			0
V-02-2		RR, IN, Other - LDAR		1	ĺ
3.3.88	Intermittent			4	1
	☐ Not Applicable	program (not all emission			
		units			
		constructed)			
		(6.2.63, 6.2.65)	<u> </u>		
1		RR, IN, Other -			0
V-02-2	☐ Continuous ☐ Intermittent	LDAR	V	1	9
3.3.89	Not Applicable	program (not	1	le le	
1	Not Applicable	all emission		1	
		units		- 1	
		constructed)		• 5 3	-
71.00.0	⊠ Continuous	RR, Other -			0
V-02-2	Intermittent	LDAR	1.0	i i i i i i i i i i i i i i i i i i i	1
3.3,90	Not Applicable	100			
		all emission		1	
		units	×		
10		constructed)			
		(6.2.63, 6.2.65)			



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

ATDCAY 1	
AIRS Number: 04-13-179-00011 For Reporting Period: January 1, 2013 to Dece	mber 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-2 3.3.91		Other – LDAR program/ Equipment design (not all emission units constructed)			0
V-02-2 3.3.92	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other - LDAR program/ Equipment design (not all emission units constructed)			0
V-02-2 3.3.93		RR, Other – LDAR program (not all emission units constructed)			0
V-02-2 3.3.94	○ Continuous ○ Intermittent ○ Not Applicable	RR (not all emission units installed) (6.2.66)			0
V-02-2 3.3.95	○ Continuous ○ Intermittent ○ Not Applicable	RR (not all emission units constructed)			0
V-02-2 3.3.96	○ Continuous ☐ Intermittent ☐ Not Applicable	RR (not all emission units constructed)			0
V-02-2 3.3.97	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-2 3.3.98	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR (not all emission units constructed)			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

SNF - Riceboro		
04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
-		

Permit Number	Compliance Status	Monitoring	Identific	cation of Deviations	
& Condition Number	•	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 3.4.5	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – work practice			0
V-02-0 3.4.6	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – work practice			0
V-02-2 3.4.7		Other – engineering calculations (not all emission units installed)			0
V-02-2 3.4.8	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – clean fuel combustion (not all emission units installed)			0
V-02-0 3.5.1	○ Continuous ○ Intermittent ○ Not Applicable	Other – process design			0
V-02-0 4.1.1	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, RR			0
V-02-0 4.1.2		RR			0
V-02-0 4.1.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, RR			0
V-02-0 4.2.1	Continuous Intermittent Not Applicable	ST (test conducted 7/2008)			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identif	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 4.2.2		ST (tests conducted 6/2008 and 9/2008)			0
V-02-0 4.2.3	Continuous Intermittent Not Applicable	ST (test conducted 9/2010)			0
V-02-0 4.2.4	○ Continuous ○ Intermittent ○ Not Applicable	ST (modification not complete)			0
V-02-0 4.2.5		ST (test conducted 5/2009)			0
V-02-0 4.2.6	○ Continuous ☐ Intermittent ☐ Not Applicable	ST (tests conducted 1/2009 and 3/2009)			0
V-02-0 4.2.7	□ Continuous □ Intermittent □ Not Applicable	ST (tests conducted 1/2009 and 3/2009)	2		0
V-02-0 4.2.8	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
V-02-8 4.2.8	□ Continuous □ Intermittent □ Not Applicable	ST (not all emission units constructed) (tests conducted 3/2011 and 12/2013)			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number	*	Method	Previously Reported	Not Previously Reported (See Part 3)	Tota
V-02-0 4.2.9	☐ Continuous ☐ Intermittent ☐ Not Applicable	Condition Amended			0
V-02-8 4.2.9	□ Continuous □ Intermittent □ Not Applicable	ST (not all emission units constructed) (tests conducted 11/2010 and 12/2013)			0
V-02-0 4.2.10	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
V-02-8 4.2.10		ST (not all emission units constructed) (tests conducted 11/2010 and 12/2013)			0
V-02-0 4.2.11	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
V-02-A 4.2.11	Continuous Intermittent Not Applicable	ST (test conducted in June 2013)			0
V-02-0 4.2.12	○ Continuous ○ Intermittent ○ Not Applicable	RR			0
V-02-0 4.2.13	○ Continuous ○ Intermittent ○ Not Applicable	RR, IN			0
V-02-0 4.2.14	○ Continuous ○ Intermittent ○ Not Applicable	Other – LDAR · program			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status Monitoring		Identification of Deviations			
& Condition Number	• *************************************	Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 4.2.15	Continuous Intermittent Not Applicable	Other – LDAR program			0	
V-02-2 4.2.16	Continuous Intermittent Not Applicable	ST (test conducted February 2012)			0	
V-02-2 4.2.17	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0	
V-02-2 4.2.18	Continuous Intermittent Not Applicable	RR, IN (not all emission units constructed)			0	
V-02-2 4.2.19	□ Continuous □ Intermittent □ Not Applicable	Other – LDAR program (not all emission units constructed)			0	
V-02-3 4.2.20	☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Deleted			0	
V-02-3 4.2.21	☐ Continuous ☐ Intermittent ☐ Not Applicable	Condition Deleted			0	
V-02-8 4.2.22	Continuous Intermittent Not Applicable	Other - informational only			0	
V-02-0 5.1.1	Continuous Intermittent Not Applicable	RR			0	
V-02-0 5.2.1 (5.2.1.a-c not applicable)	Continuous Intermittent Not Applicable	PMS, RR			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		THE L	IANCE STATUS			
AIRS Number:	04-13-179-00011	1	For F	Reporting Period:	Jan	nuary 1, 2013 to December 3	1 2013
Permit Number & Condition Number	Compliance Status	Monitori Method	_	I Previously Repo	dentific	cation of Deviations Not Previously Reported	Tota
V-02-0 5.2.2	☐ Continuous ☐ Intermittent ☐ Not Applicable	PMS, R	R	1 st semi-annual rep 2 deviations	port –	(See Part 3)	2
V-02-A 5.2.2	☐ Continuous ☐ Intermittent ☐ Not Applicable	PMS, RR (1 st semi-annual rep 7 deviations 2 nd semi-annual rep 17 deviations	port –		24
V-02-0 5.2.3	☐ Continuous ☐ Intermittent ☑ Not Applicable	IN (6.2.13)					0
V-02-0 5.2.4	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other visual observatio		1 st semi-annual rep 51 deviations 2 nd semi-annual rep 51 deviations	N.		102
V-02-0 5.2.5	☐ Continuous ☐ Intermittent ☐ Not Applicable	ОМР		1 st semi-annual report 1 deviation 2 nd semi-annual report 8 deviations			9
V-02-0 5.2.6	○ Continuous ☐ Intermittent ☐ Not Applicable	IN, Other - work practic (6.2.20)					0
V-02-0 5.2.7	○ Continuous ☐ Intermittent ☐ Not Applicable	PMS					0
V-02-0 5.2.8	Continuous Intermittent Not Applicable	Other – analy (6.2.22)	sis				0
V-02-0 5.2.9	Continuous Intermittent	Other – analys (6.2.46)	sis				0

Monitoring Method Abbreviations: RR = Recordkeeping Requirement; ST = Source Testing; CEMS = Continuous Emissions Monitoring System; COMS = Continuous Opacity Monitoring System; CFM = Continuous Fuel Monitoring; VE = Visible Emissions Monitoring; PEMS = Predictive Emissions Monitoring System; CERMS = Continuous Emission Rate Monitoring System; PMS = Parametric Monitoring System; OMP = Operations and Maintenance Plan; IN = Inspection; Other = Method not listed, provide description.

☐ Not Applicable



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

	PART	2 - COMPLIANCE STATUS	
Facility Name:	SNF - Riceboro		1 2012 to December 21 2013
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

D. 's Manufact	Compliance Status	Monitoring	Identific	cation of Deviations	- ·	
Permit Number & Condition	Compnance status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-1 5.2.10	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – visual observation	1 st semi-annual report – 10 deviations 2 nd semi-annual report – 10 deviations		20	
V-02-1 5.2.11	Continuous Intermittent Not Applicable	OMP	10 00111111111		0	
V-02-2 5.2.12	Continuous Intermittent Not Applicable	PMS, RR			0	
V-02-2 5.2.13	Continuous Intermittent Not Applicable	PMS, RR (not all emission units installed)			0	
V-02-2 5.2.14	Continuous Intermittent Not Applicable	Other – analysis (not all emission units constructed) (6.2.51)		,	0	
V-02-2 5.2.15	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – analysis (not all emission units installed) (6.2.66)			0	
V-02-3 5.2.16	Continuous Intermittent Not Applicable	Condition Deleted			0	
V-02-3 5.2.17	Continuous Intermittent Not Applicable	Condition Deleted			0	
V-02-4 5.2.18	Continuous Intermittent Not Applicable	RR, Other – visual observation (not installed)			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro	AND THE PERSON OF THE PERSON O				
AIRS Number	04-13-179-00011	For R	eporting Period:	Jai	nuary 1, 2013 to December 3	1, 2013
Permit Number	Compliance Status	Monitoring		Identifi	ication of Deviations	
& Condition Number		Method	Previously Repo	orted	Not Previously Reported (See Part 3)	Total
V-02-4 5.2.19		OMP (not installed)				0
V-02-0 6.1.1		RR				0
V-02-0 6.1.2	○ Continuous ○ Intermittent ○ Not Applicable	RR				0
V-02-0 6.1.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	Condition Amended				0
V-02-7 6.1.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR				0
V-02-0 6.1.4	☐ Continuous ☐ Intermittent ☒ Not Applicable	Condition Amended				0
V-02-7 6.1.4	○ Continuous ☐ Intermittent ☐ Not Applicable	RR				0
V-02-0 6.1.5	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR				0
V-02-0 6.1.6	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR				0
V-02-0 6.1.7 (6.1.7.b.i, 6.1.7.b.ii, 6.1.7.c.iii, 6.1.7.c.iv, and	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR				0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status Monitoring		Identification of Deviations			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-4 6.1.7	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR			0	
V-02-6 6.1.7	Continuous Intermittent Not Applicable	RR			0	
V-02-8 6.1.7	Continuous Intermittent Not Applicable	RR			0	
V-02-A 6.1.7	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR (not constructed)			0	
V-02-1 6.1.8	Continuous Intermittent Not Applicable	RR			0	
V-02-2 6.1.9	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0	
V-02-3 6.1.10	Continuous Intermittent Not Applicable	Condition Deleted			0	
V-02-0 6.2.1	Continuous Intermittent Not Applicable	RR			0	
V-02-0 6.2.2	Continuous Intermittent Not Applicable	RR			0	



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 - COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		.' _ n!_1.	Inn	uary 1, 2013 to December 31	, 2013
AIRS Number:	04-13-179-00011	For Re	eporting Period:	Jan	many 1, 2015 to 2000	222
			Ţ	dentifi	cation of Deviations	
Permit Number & Condition	Compliance Status	Monitoring Method	Previously Repo		Not Previously Reported (See Part 3)	Total
V-02-0 6.2.3	Continuous Intermittent	RR				0
V-02-0 6.2.4	Not Applicable Continuous Intermittent	RR				0
V-02-0 6.2.5	Not Applicable Continuous Intermittent	RR				0
V-02-0 6.2.6	☐ Not Applicable ☐ Continuous ☐ Intermittent	RR				0
V-02-0 6.2.7	☐ Not Applicable ☐ Continuous ☐ Intermittent	RR				0
V-02-0 6.2.8	Not Applicable Continuous Intermittent	RR, Other – engineering				0
V-02-0 6.2.9	Not Applicable □ Continuous □ Intermittent	calculations RR				0
V-02-0 6.2.10	Not Applicable □ Continuous □ Intermittent	RR				0
V-02-0 6.2.11	Not Applicable Continuous Intermittent Not Applicable	RR				0
V-02-0 6.2.12	Not Applicable Continuous Intermittent	RR				0
V-02-0 6.2.13		RR				0

Monitoring Method Abbreviations: RR = Recordkeeping Requirement; ST = Source Testing; CEMS = Continuous Emissions Monitoring System; COMS = Continuous Opacity Monitoring System; CFM = Continuous Fuel Monitoring; VE = Visible Emissions Monitoring; PEMS = Predictive Emissions Monitoring System; CERMS = Continuous Emission Rate Monitoring System; PMS = Parametric Monitoring System; OMP = Operations and Maintenance Plan; IN = Inspection; Other = Method not listed, provide description.

Condition

Amended

Not Applicable

Continuous

Intermittent

Not Applicable

V-02-0

6.2.14



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 -COMPLIANCE STATUS

Facility Name:	SNF - Riceboro	- COMPLIANCE STATES	
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
		3 - 3 - 3	1 sandary 1, 2013 to December 31, 2013

Compliance Status	Monitoring	Identifi	ication of Deviations	
	Method	Previously Reported	Not Previously Reported	Tota
☐ Intermittent ☐ Not Applicable	RR		(SCETAILS)	0
☐ Intermittent ☐ Not Applicable	Condition Amended			0
Continuous Intermittent	RR, Other – engineering calculations			0
Continuous Intermittent	Condition Amended			0
○ Continuous ○ Intermittent ○ Not Applicable	RR, Other – IPA dispersants not produced			0
☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – engineering calculations			0
☐ Continuous ☐ Intermittent ☑ Not Applicable	Condition Amended			0
○ Continuous ☐ Intermittent ☐ Not Applicable	RR			0
Continuous Intermittent	Condition Amended			0
Continuous Intermittent Not Applicable	RR, Other – engineering calculations (not all emission units			0
		Method	Method Previously Reported	Method Previously Reported Not Previously Reported (See Part 3)



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		1 2012 to December 31 2013
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

- : : : 1	Compliance Status	Monitoring	Identification of Deviations		
Permit Number & Condition	Comphance Status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 6.2.20	Continuous Intermittent Not Applicable	RR	_		0
V-02-0 6.2.21	Continuous Intermittent Not Applicable	Condition Amended			0
V-02-8 6.2.21	Continuous Intermittent Not Applicable	Condition Amended			0
V-02-A 6.2.21	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-0 6.2.22	Continuous Intermittent Not Applicable	RR			0
V-02-0 6.2.23	Continuous Intermittent Not Applicable	RR			0
V-02-0 6.2.24	Continuous Intermittent Not Applicable	RR			0
V-02-0 6.2.25	Continuous Intermittent Not Applicable	RR			0
V-02-0 6.2.26	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-0 6.2.27	Continuous Intermittent Not Applicable	RR, OMP (not all emission units constructed)			0
V-02-0 6.2.28		RR			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro	January Charles	
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
			Tundary 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Method	Identification of Deviations		
& Condition Number			Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 6.2.29		RR	12 ECO 4 17 CT CCC		0
V-02-0 6.2.30		RR	3/2/A.2002.9-20		0
V-02-0 6.2.31	□ Continuous □ Intermittent □ Not Applicable	RR			0
V-02-0 6.2.32	○ Continuous ○ Intermittent ○ Not Applicable	RR			0
V-02-0 6.2.33	○ Continuous ○ Intermittent ○ Not Applicable	RR			0
V-02-0 6.2.34	☐ Continuous☐ Intermittent☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 6.2.35	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 6.2.36	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program		3	0
V-02-0 6.2.37	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 6.2.38	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 6.2.39	○ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program			0
V-02-0 6.2.40	○ Continuous ☐ Intermittent ☐ Not Applicable	RR			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring			
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Tota
V-02-0	□ Continuous	RR, Other -			0
6.2.41	☐ Intermittent	LDAR		1	
	☐ Not Applicable	program			
V-02-0	□ Continuous	RR, Other -			0
6.2.42	☐ Intermittent	LDAR			
	☐ Not Applicable	program			
V-02-0	Continuous	RR, Other -			0
6.2.43	☐ Intermittent	LDAR	2	1. 1	
	☐ Not Applicable	program			
V-02-0	Continuous	RR, Other -			0
6.2.44	☐ Intermittent	LDAR			
	☐ Not Applicable	program		1	
V-02-0	Continuous	RR			0
6.2.45	Intermittent				
	Not Applicable				
V-02-0	Continuous	RR			0
6.2.46	Intermittent				
	☐ Not Applicable				
V-02-0		RR (not all			0
6.2.47	☐ Intermittent	emission units			
	☐ Not Applicable	installed)			
V-02-0	○ Continuous	RR (not all			0
6.2.48	Intermittent	emission units			
	☐ Not Applicable	installed)			
V-02-0	Continuous	RR			0
6.2.49	Intermittent			2 *	
	☐ Not Applicable				
V-02-1	Continuous	RR			0
6.2.50	Intermittent				
	☐ Not Applicable				
V-02-2	Continuous ·	RR (not all		*	0
6.2.51	Intermittent	emission units		-	
01202030-2011	Not Applicable	constructed)			
V-02-2	Continuous	RR (not all		* *	0
6.2.52	Intermittent	emission units		, .	
- Wart Res (20/03/2005)	Not Applicable	constructed)		V 2	
V-02-2	□ Continuous	RR (not all			0
6.2.53	☐ Intermittent	emission units			
**************************************	☐ Not Applicable	constructed)			



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	ompliance Status Monitoring Method	Identification of Deviations		
& Condition Number			Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-2 6.2.54	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.55	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.56	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.57	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.58	○ Continuous ○ Intermittent ○ Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.59	□ Continuous □ Intermittent □ Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.60	□ Continuous □ Intermittent □ Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.61	Continuous Intermittent Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.62	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR, Other – LDAR program (not all emission units constructed)			0
V-02-2 6.2.63	□ Continuous □ Intermittent □ Not Applicable	RR, Other – LDAR program (not all emission units constructed)			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-2 6.2.64	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR (not all emission units constructed)			0
V-02-2 6.2.65	Continuous Intermittent Not Applicable	RR (not all emission units constructed)		22	0
V-02-2 6.2.66	Continuous Intermittent Not Applicable	RR (not all emission units installed)			0
V-02-2 6.2.67	Continuous Intermittent Not Applicable	RR (not all emission units installed)			0
V-02-2 6.2.68	Continuous Intermittent Not Applicable	RR (not all emission units installed)			0
V-02-3 6.2.69	Continuous Intermittent Not Applicable	Condition Amended			0
V-02-3 6.2.70	Continuous Intermittent Not Applicable	RR (not installed)			0
V-02-4 6.2.71	Continuous Intermittent Not Applicable	RR (not installed)			0
V-02-6 6.2.72	Continuous Intermittent Not Applicable	Condition Amended			0
V-02-8 6.2.72	Continuous Intermittent Not Applicable	RR			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 7.1.1		RR			0
V-02-0 7.2.1	○ Continuous ○ Intermittent ○ Not Applicable	RR			0
V-02-0 7.2.2		RR	18		0
V-02-0 7.10.1		RR, Other – RMP program			0
V-02-0 7.11.1		RR, Other – work practice			0
V-02-0 7.11.2		Other – activity not performed by permittee			0
V-02-2 7.14.1	□ Continuous □ Intermittent □ Not Applicable	Other – informational only			0
V-02-0 8.1.1		Other – informational only	9		0
V-02-0 8.1.2	○ Continuous ○ Intermittent ○ Not Applicable	Other – informational only			0
V-02-0 8.2.1	□ Continuous □ Intermittent □ Not Applicable	Other – informational only			0
V-02-0 8.2.2	□ Continuous □ Intermittent □ Not Applicable	Other – informational only		á	0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		The second of th		
AIRS Number:	04-13-179-00011	For R	eporting Period:	January 1, 2013 to December 3	1, 2013
				4734554	
Permit Number	Compliance Status	Monitoring	Id	lentification of Deviations	
& Condition	P. Maria	Method	Previously Repor	ted Not Previously Reported	Total
Number			\$1 553	(See Part 3)	
V-02-0		Other –			0
8.2.3	☐ Intermittent	informational			
	☐ Not Applicable	only			
V-02-0	○ Continuous	See			0
8.3.1	☐ Intermittent	compliance for		1	
	☐ Not Applicable	other			
		conditions			
V-02-0		Other –			0
8.3.2	☐ Intermittent	informational		9	
	☐ Not Applicable	only			
V-02-0	○ Continuous	Other –			0
8.3.3	☐ Intermittent	informational			
	☐ Not Applicable	only			
V-02-0	○ Continuous	Other –			0
8.3.4	☐ Intermittent	informational			
	☐ Not Applicable	only			
V-02-0	○ Continuous	RR			0
8.4.1	Intermittent				
	☐ Not Applicable				
V-02-0	○ Continuous	RR			0
8.5.1	☐ Intermittent				
	☐ Not Applicable				
V-02-0		Other –			0
8.5.2	☐ Intermittent	informational			
	Not Applicable	only			0
V-02-0		Other –			0
8.5.3	Intermittent	informational		*	
	Not Applicable	only			0
V-02-0	Continuous	Other –			0
8.6.1	Intermittent	informational		50 3	
	Not Applicable	only			0
V-02-0	Continuous	Other –			U
8.7.1	Intermittent	informational		l	
	☐ Not Applicable	only			



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number		Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 8.8.1	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR			0
V-02-0 8.8.2	Continuous Intermittent Not Applicable	RR			0
V-02-0 8.8.3	□ Continuous □ Intermittent □ Not Applicable	RR			0
V-02-0 8.8.4	○ Continuous ○ Intermittent ○ Not Applicable	RR			0
V-02-0 8.9.1	○ Continuous ○ Intermittent ○ Not Applicable	Other – periodic review			0
V-02-0 8.9.2	Continuous Intermittent Not Applicable	RR	-		0
V-02-0 8.10.1	□ Continuous □ Intermittent □ Not Applicable	RR			0
V-02-0 8.11.1	□ Continuous □ Intermittent □ Not Applicable	Other – informational only			0
V-02-0 8.11.2	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – informational only			0
V-02-0 8.11.3	Continuous Intermittent Not Applicable	Other – informational only		0.00000	0
V-02-0 8.11.4	Continuous Intermittent Not Applicable	Other – informational only			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name	SNF - Riceboro		
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013
Permit Number	C ti o		, , , , , , , , , , , , , , , , , , ,

Permit Number	Compliance Status	Monitoring	Identifi	cation of Deviations	
& Condition Number	=	Method	Previously Reported	Not Previously Reported (See Part 3)	Tota
V-02-0 8.11.5	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – informational only		(See Part 3)	0
V-02-0 8.11.6	Continuous Intermittent Not Applicable	Other – informational only			0
V-02-0 8.12.1	Continuous Intermittent Not Applicable	Other – informational			0
V-02-0 8.13.1	Continuous Intermittent Not Applicable	Other – informational			0
V-02-0 8.13.2	Continuous Intermittent Not Applicable	Other – informational only			0
V-02-0 8.13.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – informational only			0
V-02-0 8.13.4	Continuous Intermittent Not Applicable	Other – informational only			0
V-02-0 8.14.1	☐ Continuous ☐ Intermittent ☐ Not Applicable	Condition Amended	8	2	0
V-02-7 8.14.1	☐ Continuous ☐ Intermittent ☐ Not Applicable	RR			0
8.14.2	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – allow entry			0
8.14.3	○ Continuous ☐ Intermittent ☐ Not Applicable	Other – see other permit conditions			0
V-02-0 8.14.4	Continuous Intermittent Not Applicable	Other – see other permit conditions			0



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

	PART	- COMI LIANCE BYTTE	
Facility Name:	SNF - Riceboro		January 1, 2013 to December 31, 2013
AIRS Number:	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2018

	Cliance Status	Monitoring	Identifica	ation of Deviations	
Permit Number & Condition Number	Compliance Status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total
V-02-0 8.15.1	Lincollina	Other – periodic review			0
V-02-0 8.16.1	☐ Not Applicable ☐ Continuous ☐ Intermittent	Other – informational			0
V-02-0 8.16.2	Not Applicable ⊠ Continuous ☐ Intermittent	only Other – informational	8		0
V-02-0 8.17.1	Not Applicable □ Continuous ☑ Intermittent □ Not Applicable	only RR, Other – see other permit conditions	1 st semi-annual report – 1 deviation 2 nd semi-annual report – 2 deviations (see attached Table 1)		3
V-02-0 8.17.2	☐ Continuous ☐ Intermittent	Other – periodic review	(see attachee 2 area)		0
V-02-0 8.18.1	☐ Not Applicable ☐ Continuous ☐ Intermittent	OMP, Other – system design/			0
V-02-0 8.19.1	Not Applicable ⊠ Continuous ☐ Intermittent	operation Other – engineering			0
V-02-0 8.19.2	☐ Not Applicable ☐ Continuous ☐ Intermittent	Other – engineering			0
V-02-0 8.19.3	Not Applicable Continuous Intermittent Not Applicable	Other – combust natural gas, co-product alcohol			0
V-02-0 8.20.1	Continuous Intermittent	RR			0
V-02-0 8.21.1	☐ Not Applicable ☐ Continuous ☐ Intermittent ☐ Not Applicable	ST, OMP, Other –	1 st semi-annual report 1 deviation		1



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 2 – COMPLIANCE STATUS

Facility Name:	SNF - Riceboro		
	04-13-179-00011	For Reporting Period:	January 1, 2013 to December 31, 2013

Permit Number	Compliance Status	Monitoring	Identification of Deviations			
& Condition Number	Comphanice Status	Method	Previously Reported	Not Previously Reported (See Part 3)	Total	
V-02-0 8.22.1	Continuous Intermittent Not Applicable	Other – system design/ operation			0	
V-02-0 8.22.2	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – system design/ operation			0	
V-02-0 8.23.1	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – system design/ operation			0	
V-02-0 8.24.1	Continuous Intermittent Not Applicable	Other – engineering calculations			0	
V-02-0 8.24.2	Continuous Intermittent Not Applicable	Other – combust natural gas			0	
V-02-0 8.24.3	☐ Continuous ☐ Intermittent ☐ Not Applicable	Other – combust natural gas			0	
V-02-0 8.24.4	□ Continuous □ Intermittent □ Not Applicable	Other – system design/ operation	8		0	
V-02-0 8.25.1	Continuous Intermittent Not Applicable	Other – system design/ operation			0	
V-02-0 8.26.1	Continuous Intermittent Not Applicable	Other – informational only	¥		0	
V-02-0 8.27.1	□ Continuous □ Intermittent □ Not Applicable	RR, Other – system design/ operation			0	
	Continuous Intermittent Not Applicable					
	☐ Continuous ☐ Intermittent ☐ Not Applicable			8		



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TITLE V ANNUAL COMPLIANCE CERTIFICATION FORM PART 3 – DEVIATION REPORT

(Report only deviations that have not been previously reported) Facility Name: SNF - Riceboro AIRS Number: 04-13-179-00011 For Reporting Period: January 1, 2013 to December 31, 2013 Permit Number & Deviation Deviation Emission Unit(s) Condition Number Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action Permit Number & Deviation Deviation Emission Unit(s) Condition Number Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action Permit Number & Deviation Deviation Emission Unit(s) Condition Number Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action Permit Number & Deviation Deviation Emission Unit(s) Condition Number Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action Permit Number & Deviation Deviation Condition Number Emission Unit(s) Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action Permit Number & Deviation Deviation Condition Number Emission Unit(s) Number Start - Date & Time End - Date & Time Basis of Deviation Cause and Corrective Action

Table 1: Attachment to 2013 Title V Annual Compliance Certification Form for Details on Permit Condition 8.17.1 Deviations SNF Holding Company - Riceboro, Georgia

Parameter	Reporting Period	Number of Deviations	Related Title \	Permit Condition
Temperature excursions for Acrylates	1 st semi-annual	1	Permit No.	Condition No.
North Plant Thermal Oxidizer TO01	and .	0	V-02-0	6.1.7.c.v
Scrubbers SE3A/R and CE4A/R	1 st semi-annual	0	V-02-0	0.15
pH excursions for LQ Line 13 Scrubber	2 nd semi-annual	1	V-02-0	6.1.7.c.xiii
CHCL	1 st semi-annual	0	V-02-A	-
	2 nd semi-annual	1	V-02-A	6.1.7.c.xxii

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SEPA Environmental Prosection

http://www.epa.gov/ttn/atw/hlthef/acrylica.html

Technology Transfer Network - Air Toxics Web Site Acrylic Acid

79-10-7

Hazard Summary-Created in April 1992; Revised in January 2000

Acrylic acid is used in the manufacture of plastics, paint formulations, and other products. Exposure occurs primarily in the workplace. It is a strong irritant to the skin, eyes, and mucous membranes in humans. No information is available on the reproductive, developmental, or carcinogenic effects of acrylic acid in humans. Animal cancer studies have reported both positive and negative results. EPA has not classified acrylic acid for carcinogenicity.

Please Note: The main source of information for this fact sheet is EPA's Integrated Risk Information System (IRIS), which contains information on the inhalation and oral chronic toxicity of acrylic acid and the RfC and the RfD. Other secondary sources include the Hazardous Substances Data Bank (HSDB), a database of summaries of peer-reviewed literature and the Registry of Toxic Effects of Chemical Substances (RTECS), a database of toxic effects that are not peer reviewed.

Uses

Acrylic acid is used in the manufacture of plastics, in latex applications, in floor polish, in polymer solutions for coatings applications, emulsion polymers, paint formulations, leather finishings, and paper coatings. Acrylic acid is also used as a chemical intermediate. (1,7)

Sources and Potential Exposure

- · Exposure to acrylic acid occurs primarily in the workplace via inhalation and dermal contact during its manufacture or use. (1,2)
- Consumers may be exposed to acrylic acid in polishes, paints, coatings, rug backings, adhesives, plastics, textiles, and paper finishes. (1)
- Acrylic acid may be released in wastewater and as emissions during its production and use. Individuals may be exposed by inhaling ambient air or ingesting contaminated water. (1)
- Acrylic acid is also produced naturally by some species of algae. (1)

Assessing Personal Exposure

No information was located regarding the measurement of personal exposure to acrylic acid.

Health Hazard Information

Acute Effects:

- Acrylic acid is a strong irritant to the skin, eyes, and mucous membranes in humans. The liquid may cause blindness if splashed into the eye. (1,2)
- Acute (short-term) exposure of rats to acrylic acid by inhalation has been observed to produce nose and eye irritation, lung hemorrhage, and degenerative changes in
 the liver and kidneys. (3)
- Tests involving acute exposure of rats, mice, and rabbits have demonstrated acrylic acid to have moderate acute toxicity by inhalation or ingestion, and high acute toxicity by demail exposure. (4)

Chronic Effects (Noncancer):

- Information on the chronic (long-term) effects of acrylic acid in humans is not available. (3)
- . In mice and rats chronically exposed to acrylic acid by inhalation, lesions of the nasal mucosa were observed. (3)
- Reduced body weights and altered organ weights were observed in rats orally exposed to acrylic acid. (3)
- The Reference Concentration (RfC) for acrylic acid is 0.001 milligrams per cubic meter (mg/m³) based on degeneration of the nasal olfactory epithelium in mice. The RfC is an estimate (with uncertainty spanning perhaps an order of magnitude) of a continuous inhalation exposure to the human population (including sensitive subgroups) that is likely to be without appreciable risk of deleterious noncancer effects during a lifetime. It is not a direct estimator of risk but rather a reference point to gauge the potential effects. At exposures increasingly greater than the RfC, the potential for adverse health effects increases. Lifetime exposure above the RfC does not imply that an adverse health effect would necessarily occur. (3)
- EPA has medium confidence in the study on which the RfC was based because although it was well conducted and identified a lowest-observed-adverse-effect level (<u>NOAEL</u>) for a mild occurrence of the most sensitive effect, a no-observed-adverse-effect level (<u>NOAEL</u>) was not identified, a small number of animals were used, and there is limited description of the nasal lesion reported; medium confidence in the database due to lack of chronic inhalation data; and, consequently, medium confidence in the <u>RfC</u>. (3)
- The Reference Dose (RfD) for acrylic acid is 0.5 milligrams per kilogram body weight per day (mg/kg/d) based on reduced pup weights in rats. (3)
- EPA has high confidence in the principal studies on which the <u>RfD</u> is based because a sufficient number of animals were used and all relevant endpoints were reported thoroughly; high confidence in the database because it contains two developmental studies and two chronic studies of good quality, all of which are consistent in identifying the critical effect; and consequently high confidence in the <u>RfD</u>. (3)

Reproductive/Developmental Effects:

- No information is available on the reproductive or developmental effects of acrylic acid in humans.
- Decreased body weight gain and decreased fertility were reported in one study of rats exposed to acrylic acid by ingestion, although the decrease in fertility was not statistically significant compared with the control. (3)
- · Embryotoxic and teratogenic effects (birth defects) were observed in rats injected with acrylic acid. (5)

Cancer Risk

- · No information is available on the carcinogenic effects of acrylic acid in humans.
- In one study, squamous cell carcinomas of the skin were reported in mice treated topically with acrylic acid. Other animal studies have not reported carcinogenic effects. (5.6)
- EPA has not classified acrylic acid for carcinogenicity.

Physical Properties

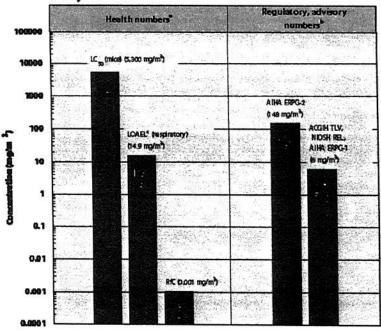
- The chemical formula of acrylic acid is C₃H₄O₂, and it has a molecular weight of 72.06 g/mol. (5)
- · Acrylic acid occurs as a corrosive, colorless liquid that is miscible with water. (5.7)
- · Acrylic acid has an acrid odor with an odor threshold of 0.094 parts per million (ppm). (5,7,8)
- . The vapor pressure for acrylic acid is 52 mm Hg at 20 °C. (5)

Conversion Factors:

To convert concentrations in air (at 25°C) from ppm to mg/m³: mg/m³ = (ppm) x (molecular weight of the compound)/24.45. For acrylic acid, 1 ppm = 2.95 mg/m³.

Health Data from Inhalation Exposure

Acrylic acid



ACGIH TLV-American Conference of Governmental and Industrial Hygienists' threshold limit value expressed as a time-weighted average; the concentration of a substance to which most workers can be exposed without adverse effects.

AIHA ERPG—American Industrial Hygiene Association's emergency response planning guidelines. ERPG 1 is the maximum airborne concentration below which it is believed nearly all individuals could be exposed up to one hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor; ERPG 2 is the maximum airborne concentration below which it is believed nearly all individuals could be exposed up to one hour without experiencing or developing irreversible or other serious health effects that could impair their abilities to take protective action.

LCs₀ (Lethal Concentrations₀)—A calculated concentration of a chemical in air to which exposure for a specific length of time is expected to cause death in 50% of a defined experimental animal population.

NIOSH REL.—National Institute of Occupational Safety and Health's recommended exposure limit; NIOSH-recommended exposure limit for an 8- or 10-h time-weighted-average exposure and/or ceiling.

The health and regulatory values cited in this factsheet were obtained in December 1999.

- ^a Health numbers are toxicological numbers from animal testing or risk assessment values developed by EPA.
- ^b Regulatory numbers are values that have been incorporated in Government regulations, while advisory numbers are nonregulatory values provided by the Government or other groups as advice. NIOSH, ACGIH, and AIHA numbers are advisory.
- ^c This LOAEL is from the critical study used as the basis for the EPA RfC.

References

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Last updated on Finday, October 18, 2013



http://www.epa.gov/iris/subst/0002.htm Last updated on Friday, October 31, 2014

Integrated Risk Information System

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Research

Environmental Assessment

IRIS

IRIS Summaries

Acrylic acid (CASRN 79-10-7)

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Reference Dose for Chronic Oral Exposure (RfD)

1

0002

Acrylic acid; CASRN 79-10-7

Human health assessment information on a chemical substance is included in the IRIS database only after a comprehensive review of toxicity data, as outlined in the IRIS assessment development process. Sections I (Health Hazard Assessments for Noncardinogenic Effects) and II (Carcinogenicity Assessment for Lifetime Exposure) present the conclusions that were reached during the assessment development process. Supporting information and explanations of the methods used to derive the values given in IRIS are provided in the <u>quidance documents located on the IRIS website</u>.

STATUS OF DATA FOR Acrylic acid

File First On-Line 01/31/1987

Category (section)	Status	Last Revised
Oral RFD Assessment (I.A.)	on-line 05/01/1994	
Inhalation RfC Assessment (I.B.)	on-line	05/01/1995
Carcinogenicity Assessment (II.)	no data	

_I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

_I.A. Reference Dose for Chronic Oral Exposure (RfD)

Substance Name — Acrylic acid CASRN — 79-10-7 Last Revised — 05/01/1994

The oral Reference Dose (RfD) is based on the assumption that thresholds exist for certain toxic effects such as cellular necrosis. It is expressed in units of mg/kg-day. In general, the

RfD is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. Please refer to the Background Document for an elaboration of these concepts. RfDs can also be derived for the noncarcinogenic health effects of substances that are also carcinogens. Therefore, it is essential to refer to other sources of information concerning the carcinogenicity of this substance. If the U.S. EPA has evaluated this substance for potential human carcinogenicity, a summary of that evaluation will be contained in Section II of this file.

_I.A.1. Oral RfD Summary

Critical Effect	Experimental Doses*	UF	MF	RfD
Reduced pup weight	NOAEL: 53 mg/kg-day (500 ppm in water)	100	1	5E-1 mg/kg-day
Rat Reproductive Study	LOAEL: 240 mg/kg-day (2500 ppm in water)			
BASF, 1993				

^{*}Conversion Factors and Assumptions — Dose in mg/kg-day was reported based on measurements of actual drinking water concentrations and water consumption.

__I.A.2. Principal and Supporting Studies (Oral RfD)

Note: The RfD for acrylic acid was originally verified in August 1985. The RfD was revised because of the availability of new information, including a two-generation reproductive study in rats, a chronic drinking water study in rats, developmental studies by the inhalation route in rats and rabbits, and a bioavailability study in rats and mice.

BASF (Badische Anilin- und Sodafabrik). 1993. Reproduction toxicity study with acrylic acid in rats: Continuous administration in the drinking water over 2 generations (1 litter in the first and 1 litter in the second generation). Project No. 71R0114/92011. BASF Aktiengesellschaft, Dept. of Toxicology, Rhein, FRG.

In a two-generation reproductive study in rats (BASF, 1993) acrylic acid was administered in drinking water at concentrations of 0, 500, 2500, and 5000 ppm to groups of 25 male and 25 female Wistar rats (35 days old at the beginning of treatment). After at least 70 days of treatment, the F0 parental generation animals were mated within the dose groups to produce one litter. Litters were culled to eight pups at day 4 postparturition, and groups of 25 male and female F1 pups were selected for the F1 parental generation and were mated after at least 98 days of treatment. F2 litters were culled to eight pups and were raised to day 21 postpartum. Acrylic acid treatment was continuous throughout the premating, gestational, and lactational periods. Pups from both generations were necropsied at day 4 and 21 postpartum. In addition to body weight, food and water consumption, and general reproductive parameters, pups were monitored for behavior and developmental milestones and some pups were examined for visceral and skeletal abnormalities. The acrylic acid doses were estimated to be 53, 240, and 460 mg/kg-day in the animals receiving 500, 2500, and 5000 ppm in drinking water, respectively. A consistent finding throughout the study was decreased water consumption, possibly due to taste aversion, and reduced body weight gains were observed in some of the groups dosed with 240 and 460 mg/kg-day. Water consumption was reduced 11-14% at 460 mg/kg-day in the F0 parental animals compared

with controls throughout premating, gestation, and lactation, but was not reduced in F0 animals at 240 mg/kg-day. The F1 parental animals had water intake reduced by 18-27% throughout the study at 460 mg/kg-day and by 6-13% at 240 mg/kg-day. Reductions in body weight were reported that appear to parallel the reductions in water intake and were more severe in the pups. In the F0 parental generation exposed to 460 mg/kg-day, the males showed decreased body weight to 91% of controls, but not until the postmating period (12-21 weeks), but females were not affected. In the F1 pups exposed to 460 mg/kg-day, significantly lower body weights were observed at day 21 of the lactation period (65% of controls). Pup weights in the 240-mg/kg-day group were reduced to 89% of controls at day 21 of gestation. The F1 parental animals had reduced food consumption during the premating period (87-92% of controls) and also showed lower body weights than controls in the 460mg/kg-day-dose group. Because the F1 pups were so much lower in weight in the high-dose group, the F1 parental generation in the high-dose group weighed 75% of the controls at 14 weeks prior to mating. This difference was 85-89% of controls at the time of mating. Thus, although the body weights were significantly lower in the high-dose F1 parental generation, the overall weight gain was similar in the F1 parental animals, suggesting that the effect resulted primarily from the reduced weight during the preweaning period. In the animals exposed to 240 and 460 mg/kg-day, body weights were reduced in the F2 pups to 88 and 68% of controls, respectively, and were associated with reduced maternal water consumption, compared with controls. Reduced weight was not observed in the parental generations exposed to 240 mg/kg-day. No changes in water consumption or body weight were observed in the animals exposed to 53 mg/kg- day. The reduced weight gain in the F0 generation was less than 10% of controls in males and is not considered adverse, and the decreased body weight in the F1 parental generation was greatest at the earliest recorded time and likely reflects preweaning and early postweaning effects. Reduced body weight in the F1 and F2 pups was observed at 240 and 460 mg/kg-day. Although these changes occurred at the end of the period of active nursing and are associated with decreases in maternal water consumption, it is not clear that the reduced weight compared with controls can be attributed only to reduced maternal water intake.

Other endpoints recorded in the two-generation reproductive study included nesting, littering and lactation behavior, gripping reflex, hearing startle reflex, pupillary reflex, pinna unfolding, auditory canal opening, and eye opening. Slight reductions in the number of pups with eye opening or auditory canal opening on time were statistically significant in some groups, but are not considered to be adverse. There were no adverse treatment-related effects on reproductive function. The only clearly treatment-related adverse effects were histopathological lesions in the forestomach and glandular stomach in animals exposed to 460 mg/kg-day. Hyperkeratosis of the limiting ridge of the forestomach and edema of the submucosa of the glandular stomach were observed in males and females. These lesions were observed in both the F0 and F1 parental generations at 460 mg/kg-day but not at 53 or 240 mg/kg-day. No reproductive effects were found in the highest dose tested, 460 mg/kg-day. The NOAEL for reproductive effects is 460 mg/kg-day, and the NOAEL for histological changes in the stomach is 240 mg/kg-day. The effects on pup weights are considered to be treatment related and adverse, and this study identifies a LOAEL of 240 mg/kg-day and a NOAEL of 53 mg/kg-day for this effect.

__I.A.3. Uncertainty and Modifying Factors (Oral RfD)

UF — The uncertainty factor of 100 includes a factor of 10 for interspecies extrapolation and a factor of 10 to protect sensitive individuals. An uncertainty factor for an inadequate database due to the lack of a chronic study in a second species was not considered to be necessary due to the results of the bioavailability study showing no difference between rats

and mice in the rapid rate of elimination of acrylic acid from oral and intravenous routes.

MF - None

__I.A.4. Additional Studies/Comments (Oral RfD)

In a chronic study (Hellwig et al., 1993; BASF, 1989) acrylic acid was administered in drinking water to groups of 50 male and female Wistar rats at concentrations of 0, 120, 400, or 1200 ppm. Drinking water consumption and body weights were determined regularly throughout the study, which ran for 26 months for males and 28 months for females. Blood samples for hematological evaluations were taken at 12, 18, and 24 months and at termination, and complete gross and histopathological examinations were conducted at the terminal sacrifice. Based on measurements of drinking water concentration and consumption the doses were estimated to be 0, 8, 27, and 78 mg/kg-day. Drinking water consumption was slightly reduced at 78 mg/kg-day, but the difference was not significant. This result is consistent with the BASF (1993) study that showed no effect on water consumption in rats exposed to 53 mg/kg-day acrylic acid in drinking water. No clinical signs of toxicity or changes in body weights were observed in treated animals. No exposure related changes were seen in the hematological measurements. Histopathological examinations also showed no clear indications of target organ pathology. Hyperkeratosis of the forestomach was reported in a small number of animals, but the change is not clearly exposure related because of the occurrence of this lesion in the control and low-dose groups. This lesion also was observed at 460 mg/kg-day by BASF (1993) in the parental animals, but not at 240 or 53 mg/kg-day acrylic acid in drinking water. A slight increase in liver fatty change in the high-dose group also was observed and may be treatment related, but is not considered adverse because liver effects were not observed in other drinking water studies at much higher doses. The high-dose group in this study establishes a NOAEL at the highest dose tested, 78 mg/kg-day, which supports the NOAEL identified in the critical study.

In a preliminary study to the chronic study (Hellwig et al., 1993; BASF, 1988) acrylic acid was administered in drinking water to groups of 30 male and female Wistar rats for 3 months (10/sex/group) or 12 months (20/sex/group). Acrylic acid concentration in drinking water was 0, 120, 800, 2000, and 5000 ppm. Food and drinking water consumption, body weight, hematology, blood chemistry, and urinalysis were measured periodically throughout the study. At termination of dosing, histopathological examination was carried out on tissues from the control and 2000- and 5000-ppm groups (10 tissues at 3 months and about 40 tissues at 12 months). The estimated doses were 9, 61, 140, and 331 mg/kg-day in the groups exposed to 120, 800, 2000, and 5000 ppm, respectively. In the 12-month study, drinking water consumption was reduced in males by 15-20% relative to controls in the 331mg/kg-day group during most of the study, and 10% relative to controls in the 140-mg/kgday group during the first 14 weeks. Female drinking water consumption was minimally affected. Body weight in males was reduced to 93% of controls at the end of the 3-month study. In the 12-month study, male body weights were reduced to 94% of controls at 91 days and to 91-92% of controls in males dosed with 140 or 331 mg/kg-day. There was no effect on body weight in females in the 3- or 12- month studies. There were no clearly treatment-related effects on blood chemistry, hematology, or urinalysis parameters. There were also no gross or histological changes detected in any of the tissues examined. In particular, the lack of effect in the 331-mg/kg-day-dose group in the stomach contrasts with the finding of mild histological lesions in the two-generation reproductive study in the same species at the same drinking water concentration. This may be explained in part by the higher dose estimated for the two studies (460 mg/kg-day in the reproductive study vs. 331 mg/kg-day in the chronic study). This difference in effect also may be explained by the

increase in drinking water consumption in females during lactation and by the fact that males in the reproductive study were exposed for up to 20 weeks. These studies suggest that doses in the 300-500-mg/kg range are near the threshold for histological effects in the stomach in the subchronic study. Body weight changes were observed in males at 3 and 12 months but were not more than 10% of control weight and are not considered adverse. Both the subchronic and the 12-month studies identify a NOAEL for body weight changes at 331 mg/kg-day (5000 ppm in water), and no specific target organ effects were observed at this dose.

In contrast to the subchronic drinking water study, Hellwig et al. (1993; also BASF, 1987) reported a gavage study in which Wistar rats (10/sex/group) were dosed by gavage with 150 or 375 mg/kg-day in water. When delivered as a bolus dose at approximately the same doses used in the subchronic drinking water study, acrylic acid caused death in 10/20 animals at the low dose and 15/20 animals at the high dose (males and females combined). Marked gross and microscopic effects, as well as some respiratory tract effects, were observed in the gastrointestinal tract and kidneys.

DePass et al. (1983) reported a subchronic drinking water study in which Fischer 344 rats (15/sex/group) were administered doses of 0, 83, 250, or 750 mg/kg-day. Urinalysis, blood chemistry, and hematology were assessed during the study, and, at study termination, histological examination of tissues from the control and high-dose groups was performed. A dose-related decrease in water consumption was observed that was significant in all dose groups in males and in the 250- and 750-mg/kg-day group females. In males and females at 750 mg/kg-day, food consumption was decreased and body weight was reduced to 81 and 84% of controls in males and females, respectively, as were several organ weights. These effects were not seen in males at 250 mg/kg-day. In females at 250 mg/kg-day, a significant effect on body weight gain was reported, but the final body weight was 95% of the controls. There were no effects noted on histological examination of the high-dose animals. A NOAEL for changes in body weight and organ weight is identified at 250 mg/kg-day, and there was no specific target organ pathology observed at 750 mg/kg-day. It is not clear whether the forestomach was examined in this study.

A single generation reproductive study was conducted in which 10 male and 20 female rats were administered acrylic acid in drinking water at concentrations resulting in doses of 83, 250, and 750 mg/kg-day for 3 months (DePass et al., 1983). After the exposure period, the animals were mated within exposure groups and exposure was continued throughout gestation and lactation. Water consumption was reduced to 95, 83, and 61% of controls in the 83-, 250-, and 750-mg/kg-day groups, respectively, in males and 97, 83, and 58% of controls in females. Decreases in food consumption and body weight (79% of controls in males and females) were statistically significant only at the highest dose in males and at the two higher doses in females. There were no histological changes observed in high-dose animals in 26 tissues, including respiratory tract, stomach, liver, and kidneys. An apparent decrease in the fertility of females and a reduction in gestation index, number of live pups per litter, and percentage of pups weaned in animals at the highest dose were observed, but these differences were not statistically significant compared with the control group. The unusually low fertility in the control group makes interpretation difficult. At the highest dose, there was a statistically significant decrease in body weight of the male and female pups. The males also exhibited significant decreases in absolute and relative liver weights and absolute kidney and heart weights at 0.75 g/kg/day. The females showed a significant decrease in absolute and relative spleen weight and absolute liver weight at the highest dose. There was an increase in relative brain weight in both sexes at this dose. This study identifies a NOAEL for maternal and fetal toxicity and possibly for reproductive effects at 250 mg/kg-day.

Developmental toxicity studies of inhaled acrylic acid in Sprague-Dawley rats (Klimisch and Hellwig, 1991) and rabbits (Chun et al., 1993; Neeper- Bradley and Kubena, 1993) have been reported. These studies are described in detail in the inhalation RfC (U.S. EPA, 1994). These studies did not show adverse developmental effects. The rat study identifies a NOAEL for developmental effects at 360 ppm (1060 mg/cu.m). The NOAEL for effects on body weight in rats was 40 ppm (120 mg/cu.m). In the rabbit study, the NOAEL for developmental effects was 225 ppm (663 mg/cu.m).

Studies of the bioavailability of acrylic acid in mice and rats evaluated the disposition after administration by the inhalation, oral, dermal, and i.v. doses (Frantz and Beskitt, 1993; Black, 1993; Kutzman et al., 1982). These studies are described in detail in the inhalation RfC (U.S. EPA, 1994). These studies show that acrylic acid administered by various routes is highly bioavailable and is fairly rapidly metabolized and excreted. The metabolism and elimination do not appear to be so fast as to prevent widespread circulation of unchanged acrylic acid to the body. However, the bioavailability studies have not attempted to measure acrylic acid at less than 1 hour after exposure. The half-time for elimination in the in vivo studies was on the order of 20-40 minutes.

Both in vitro and in vivo studies of acrylic acid metabolism have produced strong evidence that the metabolism proceeds by a mitochondrial biochemical pathway for propionic acid metabolism, which normally functions in the body in the final stages of the breakdown of fatty acids and in the production of intermediates for the tricarboxylic acid cycle (Black et al., 1993; DeBethizy et al., 1987; Winter and Sipes, 1993; Finch and Frederick, 1992). Metabolism by this route was most active in the liver and kidney (DeBethizy et al., 1987). This route of metabolism would explain the rapid rate of elimination as carbon dioxde and the presence of 3-hydroxypropionate in vitro and in vivo after administration of acrylic acid. The limited reactivity of acrylic acid in the body was suggested by the observation that acrylic acid does not react with glutathione in vitro, nor does it deplete nonprotein sulfhydryls in blood in vitro (Miller et al., 1981). After an oral dose of 400 or 1000 mg/kg, nonprotein sulfhydryls (NPSH) were depleted in the forestomach of rats, and a lower dose of 40 mg/kg also caused a reduction in NPSH in the glandular stomach (DeBethizy et al., 1987), but no changes in NPSH were seen in blood or liver. A theoretical analysis of the potential reactivity of acrylic acid anion (the predominant form at physiological pH) concluded that there would be very limited potential for reaction of acrylic acid with cellular nucleophiles, such as sulfhydryl and amino groups (Frederick and Reynolds, 1989).

The oral and inhalation toxicity studies show portal-of-entry effects but no indication of specific target organ toxicity at other sites. Mechanistic and kinetic studies show limited reactivity and rapid detoxification, but no accumulation of the dose. The rapid detoxification and the limited reactivity in the body are consistent with low systemic toxicity. The portal-of-entry effects may result from high local concentrations that lead to greater tissue reactivity or changes in pH. The available evidence from both oral and inhalation routes of exposure suggests that the portal-of-entry effects are true sentinel effects in that they occur at much lower exposures than systemic (non-portal-of-entry) effects. In addition, disposition studies using radiolabeled acrylic acid administered by several routes show that nearly all of the acrylic acid is absorbed and is metabolized to carbon dioxide, with very little radioactivity excreted in the urine or feces. This similarity suggests that it is reasonable to use the developmental toxicity studies from the inhalation route to support the database requirements of the oral RfD. Because the dose of acrylic acid is distributed fairly rapidly and metabolized similarly for several routes of exposure, a crude extrapolation of the inhalation developmental studies to the oral route is reasonable. Based on default values for rat and

rabbit respiration rates and body weights, the NOAELs for developmental effects in the inhalation studies (in the presence of respiratory tract effects) are 1140 and 250 mg/kg-day in the rat and rabbit studies, respectively. This is based on a crude route extrapolation and is done for the purpose of comparison only. It is concluded that developmental effects are not critical to the RfD derivation.

I.A.5. Confidence in the Oral RfD

Study - High Database — High RfD — High

The confidence in the principal studies is high because a sufficient number of animals were used and all relevant endpoints were reported thoroughly. The database contains two developmental studies and two chronic studies of good quality, all of which are consistent in identifying the critical effect, resulting in high confidence. High confidence in the RfD follows.

_I.A.6, EPA Documentation and Review of the Oral RfD

Source Pocument — This assessment is not presented in any existing U.S. EPA document.

Other EPA Documentation — U.S. EPA, 1984

Agency Work Group Review — 08/19/1985, 02/17/1994

Verification Date - 02/17/1994

Screening-Level Literature Review Findings — A screening-level review conducted by an EPA contractor of the more recent toxicology literature pertinent to the RfD for acrylic acid conducted in August 2003 did not identify any critical new studies. IRIS users who know of important new studies may provide that information to the IRIS Hotline at hotline.iris@epa.gov or 202-566-1676.

___I.A.7. EPA Contacts (Oral RfD)

Please contact the IRIS Hotline for all questions concerning this assessment or IRIS, in general, at (202)566-1676 (phone), (202)566-1749 (FAX) or hotline.iris@epa.gov (internet address).

_I.B. Reference Concentration for Chronic Inhalation Exposure (RfC)

Substance Name — Acrylic acid CASRN - 79-10-7

Last Revised — 05/01/1995

The inhalation Reference Concentration (RfC) is analogous to the oral RfD and is likewise based on the assumption that thresholds exist for certain toxic effects such as cellular necrosis. The inhalation RfC considers toxic effects for both the respiratory system (portal-ofentry) and for effects peripheral to the respiratory system (extrarespiratory effects). It is expressed in units of mg/cu.m. In general, the RfC is an estimate (with uncertainty spanning

perhaps an order of magnitude) of a daily inhalation exposure of the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. Inhalation RfCs were derived according to the Interim Methods for Development of Inhalation Reference Doses (EPA/600/8-88/066F August 1989) and subsequently, according to Methods for Derivation of Inhalation Reference Concentrations and Application of Inhalation Dosimetry (EPA/600/8-90/066F October 1994). RfCs can also be derived for the noncarcinogenic health effects of substances that are carcinogens. Therefore, it is essential to refer to other sources of information concerning the carcinogenicity of this substance. If the U.S. EPA has evaluated this substance for potential human carcinogenicity, a summary of that evaluation will be contained in Section II of this file.

_I.B.1.	Inhalation	RfC	Summary
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Critical Effect	Exposures*	UF	MF	RfC
Degeneration of the nasal olfactory epithelium	NOAEL: None	300	1	1E-3 mg/cu.m
Mouse Subchronic Inhalation Study	LOAEL: 14.94 mg/cu.m LOAEL(ADJ): 2.67 mg/cu.m LOAEL(HEC): 0.33 mg/cu.m			
Miller et al., 1981a				

^{*}Conversion Factors and Assumptions — MW = 72.06. At 21.1 degrees C and assuming 760 mmHg, LOAEL(mg/cu.m) = 5 ppm x 72.06/24.12 = 14.94. LOAEL(ADJ) = 14.9mg/cu.m x 6 hours/24 hours x 5 days/7 days = 2.67. The LOAEL (HEC) was calculated for a gas:respiratory effect in the ExtraThoracic region. MVa = 0.04 cu.m, MVh = 20 cu.m, Sa (ET) = 2.9 sq.cm, Sh(ET) = 177 sq.cm. RGDR(ET) = (MVa/Sa)/(MVh/Sh) = 0.122. LOAEL(HEC) = LOAEL(ADJ) x RGDR = 0.33 mg/cu.m.

__I.B.2. Principal and Supporting Studies (Inhalation RfC)

Note: The RfC for acrylic acid was originally verified in August 1990. The RfC was revised because of the availability of new information, including a two-generation reproductive study in rats, a developmental study in rabbits, and a bioavailability study in rats and mice. The uncertainty factor used previously for the incomplete database was reduced based on the new data.

Miller, R.R., J.A. Ayres, G.C. Jersey, and M.J. McKenna. 1981a. Inhalation toxicity of acrylic acid. Fund. Appl. Toxicol. 1(3): 271-277.

Fifteen Fischer 344 rats and 15 B6C3F1 mice of each sex/group were exposed to actual concentrations measured by infrared analysis of 0, 5, 25, or 75 ppm acrylic acid (0, 14.9, 74.7, or 224 mg/cu.m) (Miller et al., 1979b, 1981a). The exposure was 6 hours/day, 5 days/week for 13 weeks (duration-adjusted concentrations of 0, 2.66, 13.3, or 40.0 mg/cu.m). Animals were observed twice per day. Parameters monitored for 10 animals of each sex from each exposure group included body weight, organ weights, organ-to-body weight ratios, hematologic parameters (packed-cell volume, erythrocyte count, hemoglobin concentration, and differential leukocyte counts), clinical chemistry parameters (urea nitrogen, glucose, SGPT, alkaline phosphatase), and urinalysis (rats only). All rats and mice in the control and 75-ppm exposure groups were examined for gross pathology and histopathology of major tissues, including lung, trachea, and nasal turbinates; the other

exposure groups were examined when positive results were obtained at the highest dose level. There were no treatment-related deaths of rats or mice during the study period; three mice died, however, apparently from traumatic injury due to handling. There were no significant differences in organ weights, organ-to-body weight ratios, clinical chemistry parameters, urinalysis parameters, or gross pathology that could clearly be related to exposure. In mice only, mean hemoglobin was significantly decreased relative to controls in the 25- and 75- ppm exposure groups for males and in the 75-ppm exposure group for females; however, the values were within normal limits for this strain of mice. Focal degeneration of the olfactory epithelium was observed in 1/10, 2/10, 11/11, and 10/10 male mice and in 0/10, 4/10, 9/10, and 12/12 female mice in the control and 5-, 25-, and 75-ppm exposure groups, respectively. The LOAEL is therefore 5 ppm [LOAEL(HEC) = 0.33 mg/cu.m] for effects in the nasal olfactory epithelium. The severity as well as the incidence of the lesion increased with exposure concentration. A NOAEL in mice was not determined in this study. No effects were observed in the lungs, trachea, larynx, or GI tract. Rats first demonstrated lesions of the nasal olfactory epithelium at 75 ppm; there were no effects at 25 ppm [NOAEL (HEC) = |1.43 mg/cu.m|.

___I.B.3. Uncertainty and Modifying Factors (Inhalation RfC)

 ${\sf UF}-{\sf A}$ factor of 10 is used for protection of sensitive human subpopulations. A factor of 3 is used for extrapolation from subchronic to chronic duration due to limited progression between short-term and subchronic exposures and due to rapid metabolism. A factor of 10 is applied to account for both interspecies extrapolation, because dosimetric adjustments were applied, and use of a LOAEL because the effect is considered mild.

MF - None

__I.B.4. Additional Studies/Comments (Inhalation RfC)

In a 2-week subacute inhalation study (Miller et al., 1979a), rats and mice (5/sex/group) were exposed to actual concentrations of 0, 25, 74, or 223 ppm (0, 75, 220, or 666 mg/cu.m) acrylic acid for 6 hours/day, 5 days/week (duration-adjusted concentrations of 13, 40, or 119 mg/cu.m). Significant decreases in body weight gain were seen in exposed groups at 223 ppm. Decreased body weight gains in male mice at 25 and 74 ppm are not considered exposure related because of the low initial weights and unusually large weight gains in the controls. A decrease in adipose tissue was observed in female rats at 223 ppm. Rats had lesions of the nasal mucosa at 223 ppm. Mice had dose-related lesions of the nasal mucosa, with lesions increasing in size, severity, and incidence from 25 to 223 ppm. Comparison of the degenerative lesions observed at the 25-ppm exposure in the 2-week and subchronic studies (Miller et al., 1981a) reveals that there is an increase in incidence (6/10 at 2 weeks vs. 19/20 subchronic; males and females combined) and limited progression in severity. For this reason, the likelihood of progression of the lesion with further exposure may be limited as well, and the uncertainty in extrapolating from the subchronic study to the chronic scenario is reduced. This study identifies a NOAEL in rats for body weight changes at 74 ppm [NOAEL(HEC) = 40 mg/cu.m for extrarespiratory effect assuming lambda(a)/lambda(h) = 1 and periodicity attained] and a LOAEL for nasal effects in rats at 74 ppm [LOAEL(HEC) = 4.2 mg/cu.m]. The LOAEL for extrathoracic respiratory effects in mice is 25 ppm [LOAEL(HEC) = 1.6 mg/cu.m]. No effects on lung or trachea were observed in rats or mice.

Alderly Park rats were exposed to several concentrations of acrylic acid for different durations to determine the acute and subacute toxicity of the chemical (Gage, 1970). One 5-hour exposure to an atmosphere saturated with acrylic acid [6000 ppm (17,700 mg/cu.m)]

produced nose and eye irritation, respiratory difficulty, and unresponsiveness in four rats (two males and two females). One rat died. Eight rats (four males and four females) exposed to 1500 ppm for 6 hours/day for 4 days showed nasal discharge, lethargy, and weight loss. Exposure to 80 or 300 ppm for 6 hours/day, 5 days/week, for 4 weeks produced some nose irritation, lethargy, retarded weight gain in eight rats at the higher dose. Histopathology showed all organs were normal in both groups, and no signs of toxicity were observed at the lower dose; but limited information is reported. This study suggests that concentrations much higher than those used in the principal study are required to produce overt systemic toxicity.

Rats exposed for 1 hour to acrylic acid concentrations of 100, 300, or 500 ppm exhibited dose-dependent decreases in both respiratory frequency and minute volume (Silver et al., 1981). Buckley et al. (1984) reported concentrations resulting in a 50% decrease in respiratory rate of 685 ppm in B6C3F1 mice and 513 ppm in Fischer 344 rats. Respiratory irritation and reduced ventilation therefore are not expected at the concentrations used in the principal study.

A developmental toxicity study of inhaled acrylic acid in Sprague-Dawley rats was reported by Klimisch and Hellwig (1991). In a preliminary study, groups of five pregnant animals were exposed to 0, 225, or 450 ppm acrylic acid for 6 hours/day on days 6-15 of gestation. Signs of nasal and eye irritation were observed in both exposed groups during exposure, and, at necropsy on day 20 of gestation, degeneration of the olfactory epithelium of the nose with metaplasia of the respiratory epithelium were observed in all exposed animals. Body weight gain was reduced throughout exposure at 450 ppm. Assessment of developmental endpoints was not done in the preliminary study. In the definitive study, groups of 30 pregnant Sprague-Dawley rats were exposed to 0, 40, 120, or 360 ppm acrylic acid (0, 120, 350, or 1060 mg/cu.m) for 10 days during days 6-15 of gestation. Maternal toxicity was evident in animals exposed to 120 and 360 ppm because body weight was reduced in the 360- ppm group on days 15 and 20, and body weight minus uterus weight was reduced in animals exposed to 120 or 360 ppm on day 20. Signs of irritation were observed throughout the exposure in the 360-ppm group, but not at 40 or 120 ppm. Histopathological examination was not performed in the dams. No exposure-related adverse effects were observed on implantations, live implantations, resorptions, preimplantation loss, fetal length or weight, or on morphological abnormalities (skeletal or soft tissue). This study identifies a NOAEL for developmental effects at 360 ppm [NOAEL(HEC) = 1060 mg/cu.m] and a LOAEL for maternal body weight effects at 120 ppm [LOAEL(HEC) = 88 mg/cu.m].

An inhalation developmental study was also reported in rabbits. In the range-finding study (Chun et al., 1993), groups of eight pregnant New Zealand white rabbits were exposed to 0, 30, 60, 125, or 250 ppm acrylic acid on days 10-23 of gestation. Three animals per group were necropsied on day 23 of gestation, and the remaining animals were examined on day 29. Exposure- related maternal toxicity in the 125- and 250-ppm groups was observed, including signs of nasal irritation and reduced body weight. Final body weight was reduced to a lesser degree in animals exposed to 30 and 60 ppm. Histopathological examination of a single section of the nose showed adverse effects in the olfactory epithelium. The lesions included squamous metaplasia, epithelial erosion, and ulceration of the epithelium and increased in severity with increasing exposure concentration, with the effect first appearing in the 30-ppm group at day 23 and in the 60-ppm group at day 29. In the definitive developmental study (Neeper-Bradley and Kubena, 1993), groups of 16 pregnant rabbits were exposed to 0, 25, 75, or 225 ppm acrylic acid on gestation days 6-18. Maternal toxicity was evident in groups exposed to 225 or 75 ppm, but not to 25 ppm. Signs of nasal irritation including perinasal wetness and nasal congestion were observed. Significant decrements in food consumption and body weight gain were observed occasionally during exposure, but the

body weights at the end of the exposure were not significantly affected. Histological examination of maternal tissues was not performed. No exposure-related adverse effects were observed in the number of corpora lutea and total, viable, or nonviable implantations; preimplantation loss; fetal length or weight; or on morphological abnormalities (skeletal or soft tissue). This study identifies a NOAEL for developmental effects at 225 ppm [NOAEL (HEC) = 663 mg/cu.m].

In a two-generation reproductive study in rats (BASF, 1993) acrylic acid was administered in drinking water at concentrations of 0, 500, 2500, and 5000 ppm to groups of 25 male and 25 female Wistar rats (35 days old at the beginning of treatment). This study is described in more detail in the oral RfD (U.S. EPA, 1994). A consistent finding throughout the study was decreased water consumption and body weight gain in some of the groups dosed with 240 and 460 mg/kg-day. Reduction in body weights paralleling the reductions in water intake were more severe in the pups. The effect on pup weights are considered to be treatment related and adverse, and this study identifies a LOAEL of 240 mg/kg-day and a NOAEL of 53 mg/kg-day for this effect.

A single-generation reproductive study was conducted by the oral route of exposure in which 10 male and 20 female rats were administered acrylic acid in drinking water at concentrations resulting in doses of 83, 250, and 750 mg/kg-day for 3 months (DePass et al. 1983). This study is described in more detail in the oral RfD (U.S. EPA, 1994). Decreases in food consumption and body weight gain were statistically significant only at the highest dose in males and at the two higher doses in females. This study identifies a LOAEL for maternal and fetal toxicity and possibly for reproductive effects at 750 mg/kg-day.

A study of the bioavailability of acrylic acid in mice and rats evaluated the disposition of oral, dermal, and i.v. doses (Frantz and Beskitt, 1993). Carbon-14-labeled acrylic acid (carboxyl carbon) was administered at 10 mg/kg i.v., 40 or 150 mg/kg orally, or 10 or 40 mg/kg dermally, and expired air, urine, feces, and tissues were analyzed for radioactivity at various times after dosing. Regardless of route, the majority (more than 75%) of the recovered radioactivity was eliminated as exhaled carbon dioxide within the first 24 hours after exposure. Most of the i.v. dose was exhaled within the first hour. After oral dosing, most of the dose was exhaled as carbon dioxide during the first hour, but a significant amount remained in the gut 1 hour after dosing. Analysis of the chemical form of the radioactivity measured in this study was reported (Black, 1993). One hour after dosing with 150 mg/kg, a very small amount of unchanged acrylic acid were found in the liver and urine but was undetectable in the plasma. Unchanged acrylic acid was not detected after 40 mg/kg. In contrast, 3-hydroxypropionate, a product of acrylic acid metabolism, was found in plasma and tissues after oral administration. In a study of acrylic acid disposition after inhalation exposure, Kutzman et al (1982) exposed rats to carbon-1-labeled acrylic acid for 1 minute. At 1.5 minutes following exposure, most of the radioactivity was associated with the head, suggesting a high degree of nasal deposition. By 65 minutes after exposure, most of the acrylic adid had been expired as carbon dioxide. These studies show that acrylic acid administered by various routes is highly bioavailable and is fairly rapidly metabolized and excreted. The metabolism and elimination do not appear to be so fast as to prevent widespread circulation of unchanged acrylic acid to the body. The half-time for elimination in the in vivo studies was on the order of 20-40 minutes.

Both in vitro and in vivo studies of acrylic acid metabolism have produced strong evidence that the metabolism proceeds by a mitochondrial biochemical pathway for propionic acid metabolism that normally functions in the body in the final stages of the breakdown of fatty acids and the production of intermediates for the tricarboxylic acid cycle (Black et al., 1993;

DeBethizy et al., 1987; Winter and Sipes, 1993; Finch and Frederick, 1992). This route of metabolism would explain the rapid rate of elimination as carbon dioxide and the presence of 3-hydroxypropionate in vitro and in vivo after administration of acrylic acid. The limited reactivity of acrylic acid in the body was suggested by the observation that acrylic acid does not react with glutathione in vitro nor does it deplete nonprotein sulfhydryls in blood in vitro (Miller et al., 1981b). After an oral dose of 400 or 1000 mg/kg, nonprotein sulfhydryls (NPSH) were depleted in the forestomach of rats (88 or 54% of control, respectively), and a lower dose of 40 mg/kg also caused a reduction in NPSH in the glandular stomach (77% of control; 64 and 25% of control at 400 and 1000 mg/kg, respectively) (DeBethizy et al., 1987), but no changes in NPSH were seen in blood or liver. In these studies, increases in dose were achieved by increases in gavage solution concentrations (0.8, 8, and 20% solutions were used). A theoretical analysis of the potential reactivity of acrylic acid anion (the predominant form at physiological pH) concluded that very limited potential exists for reaction of acrylic acid with cellular nucleophiles, such as sulfhydryl and amino groups (Frederick and Reynolds, 1989).

The oral and inhalation toxicity studies show portal-of-entry effects and no indication of specific target organ toxicity at other sites. Mechanistic and kinetic studies show limited reactivity, rapid detoxification, and no accumulation of the dose. The rapid detoxification and the limited reactivity in the body are consistent with low systemic toxicity. The portal-ofentry effects may result from high local concentrations that lead to greater tissue reactivity or changes in local pH. The available evidence from both oral and inhalation routes of exposure suggest that the portal-of-entry effects are true sentinel effects in that they occur at much lower exposures than systemic (non-portal-of-entry) effects. In addition, disposition studies using radiolabeled acrylic acid administered by several routes show that nearly all of the acrylic acid is absorbed and is metabolized to carbon dioxide, with very little excreted in the urine or feces. This similarity suggests that it is reasonable to use the reproductive toxicity study from the oral route to support the database requirements of the RfC. Because the dose of acrylic acid is distributed fairly rapidly and metabolized similarly for several routes of exposure, a crude extrapolation of the oral reproductive studies to the inhalation route is reasonable. Based on default values for rat respiration rates and body weight, the NOAEL for reproductive toxicity is much greater than the NOAEL for nasal effects. This is based on a crude route extrapolation and is done for purpose of comparison only. It is concluded that reproductive effects are not critical to the RfC derivation.

__I.B.5. Confidence in the Inhalation RfC

Study — Medium Database — Medium RfC — Medium

The study by Miller et al. (1981a) was well conducted and identified a LOAEL for a mild occurence of the most sensitive effect. The confidence in the study was determined to be medium because a NOAEL was not identified, a small number of animals was used, and there is limited description of the nasal lesion reported. Although a subchronic inhalation study in a second species, two inhalation developmental studies in different species, and a two-generation reproductive study by the oral route support the principal study, the confidence in the database is medium due to lack of chronic data. The confidence in the RfC is medium.

__I.B.6. EPA Documentation and Review of the Inhalation RfC

Source Document — This assessment is not presented in any existing U.S. EPA document.

Other EPA Documentation — U.S. EPA, 1984

Agency Work Group Review - 08/23/1990, 02/17/1994

Verification Date — 02/17/1994

Screening-Level Literature Review Findings — A screening-level review conducted by an EPA contractor of the more recent toxicology literature pertinent to the RfC for acrylic acid conducted in August 2003 identified one or more significant new studies. IRIS users may request the references for those studies from the IRIS Hotline at hotline.iris@epa.gov or 202-566-1676.

__I.B.7. EPA Contacts (Inhalation RfC)

Please contact the IRIS Hotline for all questions concerning this assessment or IRIS, in general, at (202)566-1676 (phone), (202)566-1749 (FAX) or hotline.iris@epa.gov (internet address).

_II. Carcinogenicity Assessment for Lifetime Exposure

Substance Name — Acrylic acid CASRN — 79-10-7

Not available at this time.

_III. [reserved] _IV. [reserved] _V. [reserved]

_VI. Bibliography

Substance Name — Acrylic acid CASRN — 79-10-7 Last Revised — 04/01/1994

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_VI.C. Carcinogenicity Assessment References	
None	

_VII. Revision History

Substance Name — Acrylic acid CASRN - 79-10-7

Date	Section	Description
03/01/198	8 I.A.5.	Confidence levels revised
03/31/198	7 I.A.6.	Documentation corrected
03/01/198	8 I.A.2.	Paragraph 3 deleted
08/01/1989	VI.	Bibliography on-line
09/01/1990	I.B.	Inhalation RfC now under review
10/01/1990	I.B.	Inhalation RfC summary on-line
10/01/1990	VI.B.	Inhalation RfC references added
01/01/1992	2 I.A.7.	Primary contact changed
01/01/1992	l IV.	Regulatory actions updated
03/01/1994	I.A.	Withdrawn; new oral RfD verified (in preparation)
03/01/1994	I.B.	Withdrawn; new inhalation RfC verified (in preparation)
03/01/1994	VI.	Bibliography withdrawn
04/01/1994	I.A.	Oral RfD summary replaced; new RfD
04/01/1994	I.B.	Inhalation RfC summary replaced; new RfC
04/01/1994	VI.A.	Oral RfD references replaced
04/01/1994	VI.B.	Inhalation RfC references replaced
05/01/1994	I.A.2.	Note moved from Add. Com. Sec. to Prin. Sup. Stud. Sec
05/01/1994	I.B.1.	Note moved from Add. Com. Sec. to Prin. Sup. Stud. Sec
05/01/1995	I.B.4.	Text edited (9th paragraph)
04/01/1997	III., IV., V.	Drinking Water Health Advisories, EPA Regulatory Actions, and Supplementary Data were removed from IRIS on or before April 1997. IRIS users were directed to the appropriate EPA Program Offices for this information.
0/28/2003	I.A.6., I.B.6.	Screening-Level Literature Review Findings message has been added.

_VIII. Synonyms

Substance Name — Acrylic acid CASRN - 79-10-7 Last Revised — 01/31/1987

- 79-10-7
- Acroleic acidAcrylic Acid

- Acrylic acid, glacial
- Ethylenecarboxylic acid
- Propene acid
- Propenoic acid
- 2-Propenoic acid
- RCRA waste number U008
- UN 2218

IRIS Home

Chronic Health Hazards for Non-Carcinogenic Effects

Reference Dose for Chronic Oral Exposure (RfD)

- Oral RfD Summary
- Principal and Supporting Studies
- Uncertainty and Modifying Factors
- Additional
- Studies/Comments
- Confidence in the Oral RfD
- EPA Documentation and Review

Reference Concentration for Chronic Inhalation Exposure (RfC)

- Inhalation RfC Summary
- Principal and Supporting Studies
- Uncertainty and Modifying Factors
- Additional Studies/Comments
- Confidence in the Inhalation RfC
- EPA
 Documentation and Review

Carcinogenicity
Assessment for
Lifetime Exposure

Evidence for Human Carcinogenicity

 Weight-of-Evidence Characterization

Data

- Human Carcinogenicity
- Animal Carcinogenicity

Data
Supporting Data for Carcinogenicity

Quantitative Estimate of Carcinogenic Risk from Oral Exposure

- Summary of Risk Estimates
- Dose-Response Data
- Additional Comments
- Discussion of Confidence

Quantitative Estimate of Carcinogenic Risk from Inhalation Exposure

- Summary of Risk Estimates
- Dose-Response Data
- Additional Comments
- Discussion of Confidence
- EPA
 Documentation, Review and, Contacts

Bibliography

Revision History

Synonyms